

CERTIFIED COPY OF ORDER

STATE OF MISSOURI

August Session of the July Adjourned

Term. 20 18

County of Boone

} ca.

In the County Commission of said county, on the

16th

day of

August

20 18

the following, among other proceedings, were had, viz:

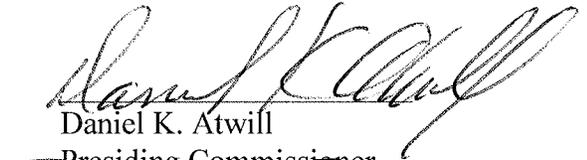
Now on this day the County Commission of the County of Boone does hereby authorize the Presiding Commissioner to sign the attached Finding of Public Nuisance and Order for Abatement of a public nuisance located at 2510 E. Oakbrook Drive, A & B, parcel #12-415-20-02-018.00 01.

Done this 16th day of August, 2018.

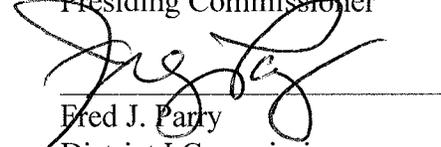
ATTEST:



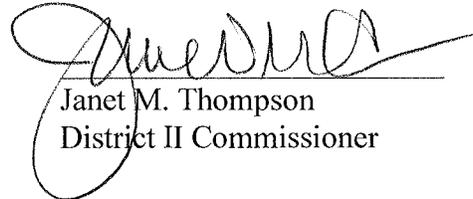
Taylor W. Burks
Clerk of the County Commission



Daniel K. Atwill
Presiding Commissioner



Fred J. Parry
District I Commissioner



Janet M. Thompson
District II Commissioner

**BEFORE THE COUNTY COMMISSION OF
BOONE COUNTY, MISSOURI**

In Re: Nuisance Abatement)	August Session
2510 E. Oakbrook Drive,)	July Adjourned
A+B)	Term 2018
Columbia, MO)	Commission Order No. <i>322-2018</i>

FINDING OF PUBLIC NUISANCE AND ORDER FOR ABATEMENT

NOW on this 16th day of August 2018, the County Commission of Boone County, Missouri met in regular session and entered the following findings of fact, conclusions of law and order for abatement of nuisance:

Findings of Fact and Conclusions of Law

The County Commission finds as fact and concludes as a matter of law the following:

1. The Boone County Code of Health Regulations (the "Code") are officially noticed and are made a part of the record in this proceeding.
2. The City of Columbia/Boone County Health Department administrative record is made a part of the record in this proceeding and incorporated herein by reference. In addition, any live testimony of the official(s) of the department and other interested persons are made a part of the record in this proceeding.
3. A public nuisance exists described as follows: growth of weeds in excess of twelve inches high and a derelict, unlicensed, dismantled and inoperable white 4-door vehicle on the premises.
4. The location of the public nuisance is as follows: 2510 E. Oakbrook Drive A+B, Lot 22, Morris Subdivision 2 a/k/a parcel# 12-415-20-02-018.00 01, Section 20, Township 49, Range 12 as shown in deed book 2988 page 0026, Boone County.
5. The specific violation of the Code is: growth of weeds in excess of twelve inches high in violation of section 6.7 of the Code and a derelict, unlicensed, dismantled and inoperable white 4-door vehicle in violation of section 6.9 of the Code.
6. The Health Director's designated Health Official made the above determination of the existence of the public nuisance at the above location. Notice of that determination and the requirement for abatement was given in accordance with section 6.10.1 of the Code on the 22nd day of July to the property owner.
7. The above described public nuisance was not abated. As required by section 6.10.2 of the Code, the property owner was given notice of the hearing conducted this date before the Boone County Commission for an order to abate the above nuisance at government expense with the cost and expense thereof to be charged against the above described property as a special tax bill and added to the real estate taxes for said property for the current year.
8. No credible evidence has been presented at the hearing to demonstrate that no public nuisance exists or that abatement has been performed or is unnecessary; accordingly, in accordance with section 6.10.2 of the Code and section 67.402, RSMo, the County

Commission finds and determines from the credible evidence presented that a public nuisance exists at the above location which requires abatement and that the parties responsible for abating such nuisance have failed to do so as required by the Health Director or Official's original order referred to above.

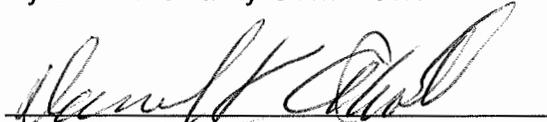
Order For Abatement Chargeable As a Special Assessment To The Property

Based upon the foregoing, the County Commission hereby orders abatement of the above described public nuisance at public expense and the Health Director is hereby authorized and directed to carry out this order.

It is further ordered and directed that the Health Director submit a bill for the cost and expense of abatement to the County Clerk for attachment to this order and that the County Clerk submit a certified copy of this order and such bill to the County Collector for inclusion as a special assessment on the real property tax bill for the above described property for the current year in accordance with section 67.402, RSMo.

WITNESS the signature of the presiding commissioner on behalf Boone County Commission on the day and year first above written.

Boone County, Missouri
By Boone County Commission



Presiding Commissioner

ATTEST:



Boone County Clerk

Photographs taken 8/2/18 @ ~ 3:00 pm
2510 E. Oakbrook Drive A+B



R&L Investment Holdings
2510 E. Oakbrook Drive A+B
Health Department nuisance notice - timeline

- 6/21/18: citizen complaint received
- 6/21/18: initial inspection conducted
- 6/22/18: notice of violation sent to owner, return receipt requested – owner never signed for notice
- 7/22/18: notice posted in local newspaper
- 8/2/18: reinspection conducted – violation not abated - photographs taken at ~ 3:00 pm
- 8/6/18: hearing notice sent



CITY OF COLUMBIA/BOONE COUNTY, MISSOURI



DEPARTMENT OF PUBLIC HEALTH AND HUMAN SERVICES
DIVISION OF ENVIRONMENTAL HEALTH

HEARING NOTICE

R&L Investment Holdings LLC
242 Cornwall Drive
Weldon Spring, MO 63304

An inspection of the property you own located at 2510 E. Oakbrook Drive A+B (parcel # 12-415-20-02-018.00 01) was conducted on June 21, 2018 and revealed growth of weeds in excess of twelve inches high and a derelict, unlicensed, dismantled and inoperable white 4-door vehicle on the premises. This condition was declared to be a nuisance and a violation of Boone County Public Nuisance Ordinance Section 6.7 and 6.9.

You are herewith notified that a hearing will be held before the County Commission on Thursday, August 16, 2018 at 1:30 p.m. in the County Commission Chambers at the Boone County Government Center, 801 E. Walnut Street, Columbia, Missouri. The purpose of this hearing will be to determine whether a violation exists. If the County Commission determines that a violation exists, it will order the violation to be abated.

If the nuisance is not removed as ordered, any property contributing to the nuisance is deemed forfeited, and the County Commission may have the nuisance seized, removed, and abated. All costs of seizure, removal, and abatement, plus administrative fees, will be assessed against the property in a tax bill. If the above nuisance condition has been corrected prior to the hearing, you do not have to appear for the hearing.

The purpose of these ordinances is to create and maintain a cleaner, healthier community. If you have any questions, please do not hesitate to contact our office. If you are not the owner or the person responsible for the care of this property, please call our office at the number listed at the bottom of this letter.

Sincerely,

[Handwritten signature of Kristine N. Vellema]

Kristine N. Vellema
Environmental Public Health Specialist

This notice deposited in the U.S. Mail, first class postage paid on the 6th day of August 2018 by ya

1005 W. Worley ♦ P.O. Box 6015 ♦ Columbia, Missouri 65205-6015
Phone: (573) 874-7346 ♦ TTY: (573) 874-7356 ♦ Fax: (573) 817-6407
www.GoColumbiaMo.com

AFFIDAVIT OF PUBLICATION

STATE OF MISSOURI) ss.
County of Boone)

I, Jason Meyer, being duly sworn according to law, state that I am one of the publishers of the Columbia Daily Tribune, a daily newspaper of general circulation in the County of Boone, State of Missouri, where located; which newspaper has been admitted to the Post Office as periodical class matter in the City of Columbia, Missouri, the city of publication; which newspaper has been published regularly and consecutively for a period of three years and has a list of bona fide subscribers, voluntarily engaged as such, who have paid or agreed to pay a stated price for a subscription for a definite period of time, and that such newspaper has complied with the provisions of Section 493.050, Revised Statutes of Missouri 2000, and Section 59.310, Revised Statutes of Missouri 2000. The affixed notice appeared in said newspaper on the following consecutive issues:

- 1st Insertion _____ July 17, 2018
- 2nd Insertion _____
- 3rd Insertion _____
- 4th Insertion _____
- 5th Insertion _____
- 6th Insertion _____
- 7th Insertion _____
- 8th Insertion _____
- 9th Insertion _____
- 10th Insertion _____
- 11th Insertion _____
- 12th Insertion _____
- 13th Insertion _____
- 14th Insertion _____
- 15th Insertion _____
- 16th Insertion _____
- 17th Insertion _____
- 18th Insertion _____
- 19th Insertion _____
- 20th Insertion: _____
- 21st Insertion: _____
- 22nd Insertion: _____

\$63.79
Printer's Fee

By: Jason Meyer
Jason Meyer

Subscribed & sworn to before me this 17 day of June, 2018

[Signature]
Notary Public

RUBY KUHLER
Notary Public - Notary Seal
State of Missouri, Boone County
Commission # 14915807
My Commission Expires Aug 27, 2018

**NOTICE OF DECLARATION OF
PUBLIC NUISANCE
AND ORDER OF ABATEMENT**

To: R&L Investment Holdings LLC
242 Cornwall Drive
Weldon Spring, MO 63304

In accordance with section 67.402 RSMo and section 6.10, Boone County Code of Health Regulations, the undersigned gives notice to the above named persons or entities that the following described real property is hereby declared to contain the following described public nuisance which is ordered abated within 15 days of the date of this notice, and that if such abatement does not occur, then such nuisance may be ordered abated by action of the Columbia/Boone County Department of Public Health, with the cost thereof to be the subject of a special tax bill against the property subject to abatement.

Property Description: Morris Subdivision 2, Lot 22 a/k/a 2510 E. Oakbrook Drive A+B as shown by deed book 2988 page 0026

Type of Nuisance: growth of weeds in excess of twelve inches high and a derelict, unlicensed, dismantled and inoperable white 4-door vehicle

The above named persons are further notified that if they fail to abate such nuisance within the time specified in this notice, or fail to appeal this declaration of public nuisance and order of abatement within the time permitted for abatement specified in this notice, then a public hearing shall be conducted before the Boone County Commission, Commission Chambers, 801 E. Walnut, Columbia MO 65201, at a time and date determined by the Commission, and the County Commission will make findings of fact, conclusions of law and a final decision concerning the public nuisance and order of abatement set forth herein. For information concerning these proceedings, contact the Columbia/Boone Department of Public Health, 1005 W. Worley Street, Columbia, MO 65203. Date of Declaration, Order and Publication:

Stephanie Browning, Director,
Columbia/Boone County
Department of Public Health

INSERTION DATES: July 17, 2018

Tom Schauwecker Assessor

Parcel 12-415-20-02-018.00 01

Property Location 2510 E OAKBROOK DR A+B

City
Library COL BC LIBRARY (L4)

Road COMMON ROAD DISTRICT (CO)
Fire BOONE COUNTY (F1)

School COLUMBIA (C1)

Owner R & L INVESTMENT HOLDINGS LLC
Address 242 CORNWALL DR
City, State Zip WELDON SPRINGS, MO 63304

Subdivision Plat Book/Page

Section/Township/Range 20 49 12

Legal Description MORRIS 2 (SUR 388-740)
LOT 22

Lot Size 115.10 x 140.00

Deed Book/Page

2988 0026

2755 0076

2617 0067

2585 0084

Current Appraised				Current Assessed			
Type	Land	Bldgs	Total	Type	Land	Bldgs	Total
RV	3,100	0	3,100	RV	589	0	589
Totals	3,100	0	3,100	Totals	589	0	589

Most Recent Tax Bill(s)

Boone County Assessor

801 E. Walnut St., Rm. 143
Columbia, MO 65201-7733

assessor@boonecountymmo.org

Office (573) 886-4251

Fax (573) 886-4254

Boone County, Missouri



Unofficial Document

Recorder in Boone County, Missouri

Date and Time **07/21/2006** at **09:30:52 AM**

Instrument # **2006020023** Book **2988** Page **26**

Grantor **FRIEND, LEWIS B**

Grantee **R & L INVESTMENT HOLDINGS LLC**

Instrument Type **WD**

Recording Fee **\$27.00 S**

No of Pages **2**

Bettie Johnson
Bettie Johnson, Recorder of Deeds



(Space above reserved for Recorder of Deeds Certification)

GENERAL WARRANTY DEED

This Deed, made and entered into this 12TH day of, JULY, 2006, by and between
Lewis B Freund and Carol Freund, husband and wife

Grantor(s),

of the County of Saint Charles, State of Missouri party of the first part, and
R & L Investment Holdings, LLC

Grantee(s),

Grantee'(s) address: 242 Cornwall Drive Weldon Springs, MO 63304
of the County of Saint Charles, State of Missouri party of the second part.

WITNESSETH, that the said party or parties of the first part, for and in consideration of the sum of One Dollar (\$1.00) and other valuable considerations paid by the said party or parties of the second part, the receipt of which is hereby acknowledged, does or do by these presents GRANT, BARGAIN AND SELL, CONVEY AND CONFIRM unto the said party or parties of the second part, the following described Real Estate, situated in the County of Saint Charles and the State of Missouri, to-wit.

Lot Twenty-Two (22) and Lot Nine (9) of MORRIS SUBDIVISION NUMBER TWO (2) as shown by a survey recorded in Book 388, Page 740, Records of Boone County, Missouri, and being a part of the Northwest Quarter (NW 1/4) of Section Twenty (20), Township Forty-Nine (49) North, Range Twelve (12) West, of the Fifth (5th) Principal Meridian, in Boone County, Missouri.

Nora Dietzel, Recorder of Deeds

Boone County, Missouri

BOONE COUNTY MO JUL 21 2006

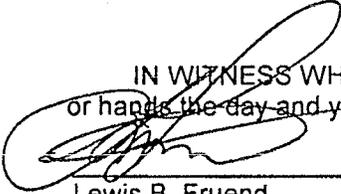
Subject to building lines, conditions, restrictions, easements and zoning regulations of record if any

Unofficial Document

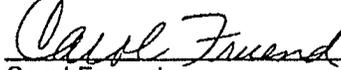
TO HAVE AND TO HOLD the same, together with all rights and appurtenances to the same belonging, unto the said party or parties of the second part, and to the heirs and assigns of such party or parties forever.

The said party or parties of the first part hereby covenanting that the said party or parties and the heirs, executors and administrators of such party or parties, shall and will WARRANT AND DEFEND the title to the premises unto the said party or parties of the second part, and to the heirs and assigns of such party or parties forever against the lawful claims of all persons whomsoever, excepting, however, the general taxes for the calendar year 2006 and thereafter, and special taxes becoming a lien after the date of this deed.

IN WITNESS WHEREOF, the said party or parties of the first part has or have hereunto set their hand or hands the day and year above written



Lewis B Freund



Carol Freund

STATE OF MISSOURI)

COUNTY OF)

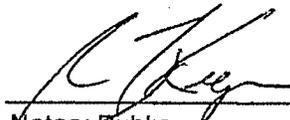
ST. CHARLES

) ss.

On this 12 day of July, 2006, before me personally appeared:
Lewis B Freund and Carol Freund, husband and wife

to me known to be the person or persons described in and who executed the same as their
free act and deed

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal the day and year first above written



Notary Public

My Commission Expires

1/28/07



JOHN T KEEGAN
St. Charles County
My Commission Expires
January 28, 2007

Nora Dietzel, Recorder of Deeds



CITY OF COLUMBIA/BOONE COUNTY, MISSOURI



DEPARTMENT OF PUBLIC HEALTH AND HUMAN SERVICES
DIVISION OF ENVIRONMENTAL HEALTH

To: Boone County Commission

From: Kala Tomka, Environmental Health Supervisor

cc: Boone County Clerk, Boone County Collector, Boone County Auditor

Date: October 10, 2018

Re: nuisance abatement for 2510 E. Oakbrook Drive A+B (parcel # 12-415-20-02-018.00 01)

Attached please find all paid invoices for the abatement of a weed and vehicle nuisance located at 2510 E. Oakbrook Drive A+B (parcel # 12-415-20-02-018.00 01) per the order issued by the Boone County Commission on August 16, 2018 (order # 382-2018). **All attached invoices have been paid by the Health Department.** The purpose of this memo and attached invoices is to apply the amount paid by the Health Department to the property tax bill of the appropriate parcel number. The owner of the property is R&L Investments Holdings and the mailing address for the owner is 242 Cornwall Drive, Weldon Spring, MO 63304.

The nuisance abatement process for the above-listed order is completed and no further invoices will be submitted. The total amount may be attached to the property tax bill for the above abatement location address. Please contact our office if you have any questions regarding this matter.

Attached Invoice	Contractor	Amount Paid
1 of 3	Columbia Daily Tribune – newspaper posting	\$63.79
2 of 3	TP Mowing – weed cutting	\$175.00
3 of 3	I-70 Towing	\$65.00
none	Columbia/Boone County Department of Public Health and Human Services – Administrative Costs	\$150.00
Total Amount Paid		\$453.79

1005 W. Worley ♦ P.O. Box 6015 ♦ Columbia, Missouri 65205-6015
Phone: (573) 874-7346 ♦ TTY: (573) 874-7356 ♦ Fax: (573) 817-6407
www.CoMo.gov

STATEMENT OF ACCOUNT
 Statement for Account 302 Statement Page 1
 Statement Date: 9/30/2018

I70 Towing
 4201 I-70 Dr. SE
 Columbia MO, 65201

Columbia Health Department
 1005 W. Worley St.
 Columbia, MO 65203

Job Date	Invoice	Inv Date	Reference	Job Chgs	Job Pmts	Job Bal
9/11/2018	120659	9/11/2018		\$65.00		\$65.00
						Total Due \$65.00
0 - 30 Days		31 - 60 Days	61 - 90 Days	91 - 120 Days	Over 120 Days	
\$65.00		\$0.00	\$0.00	\$0.00	\$0.00	

I-70 TOWING & RECOVERY LLC
SERVING COLUMBIA SINCE 1967
 4201 I 70 Dr. SE
 COLUMBIA, MO 65201
 (573) 442-8227 (573) 449-1164 Fax
 www.i70towing.com

DATE 9/11/18	TIME O A.M. O P.M.	REQUESTED BY	PHONE
NAME Columbia/Boone County Public Health			
ADDRESS			
CITY		STATE	ZIP
LOCATION OF VEHICLE			
YEAR, MAKE, MODEL 00 Chrysler LHS		COLOR Whit	DRIVER
STATE	LIC. PLATE NO.	VIN #	
		2K3HC5694YH287995	

MILEAGE	SERVICE TIME	EXTRA PERSON
FINISH	FINISH	FINISH
START	START	START
TOTAL	TOTAL	TOTAL

DESCRIPTION OF WORK	AMOUNT
Flu Vehicle at 2510 East Oakbrook	
Sept 11 Haul to A-1 Salvage	

REMARKS
 NO wheels or Tires
 Mike H 0812

CONDITION OF VEHICLE:
 1-MINOR
 2-MODERATE
 3-EXTREME

20 Undercarriage _____

REASON FOR TOW

<input type="checkbox"/> Accident	<input type="checkbox"/> Stolen	<input type="checkbox"/> Fire Lane
<input checked="" type="checkbox"/> Abandoned	<input type="checkbox"/> Snow Removal	<input type="checkbox"/> No Trespass
<input type="checkbox"/> No Start	<input type="checkbox"/> Breakdown	<input checked="" type="checkbox"/> Arrest
<input type="checkbox"/> Flat Tire	<input type="checkbox"/> Unregistered	<input type="checkbox"/> Impounded
<input type="checkbox"/> Lock Out	<input type="checkbox"/> Out Of Gas	

TYPE OF TOW

<input type="checkbox"/> SLING/HOIST TOW	<input type="checkbox"/> STATE POLICE
<input checked="" type="checkbox"/> FLAT BED/RAMP	<input type="checkbox"/> LOCAL POLICE
<input type="checkbox"/> WHEEL LIFT	<input type="checkbox"/> OWNER
<input type="checkbox"/> _____	<input type="checkbox"/> DEALER

TOWED PER ORDER OF

STORAGE FROM _____ TO _____ DAYS @ \$ _____

TOWING CHARGE	65 00
MILEAGE	
SERVICE TIME	
EXTRA PERSON	
SPECIAL EQUIPMENT	
STORAGE	
SECOND TOW	
SUB-TOTAL	
TAX	
TOTAL	65 00

RELEASE TO SALVAGE

LICENSE NO. 120659

KEYS LEFT
 Y N
 Y N

CUSTOMER NAME

VEHICLE TOWED TO

FIRST TOW _____

SECOND TOW _____

METHOD OF PAYMENT

CASH CHECK DRIVER LIC. # _____

MasterCard VISA EXP. DATE _____

CREDIT CARD # _____

DAMAGE RELEASE: Customer's own risk for valance and fiberglass -- steering -- damage caused by faulty tires -- personal property left in vehicle. Towing company will not be held responsible after vehicle has been dropped.

SIGNATURE _____

Thank You

TPMowing LLC

Family Owned and Operated
23301 Bourbon Road
Clark, MO 65243

Date	Invoice No.
09/17/18	Sept 472

Bill To
County Health Department Stephanie Sprock

Quantity	Item	Description	Rate	Amount
1	brush hog	2510 Oakbrook 9-16-18	175.00	175.00
			Total	\$175.00

COLUMBIA DAILY TRIBUNE

P.O. Box 798 • Columbia, MO • 65205-0798

BILLING PERIOD END DATE		ADVERTISER/CLIENT NAME	
07/22/18		CC ENVIRONMENTAL HEALTH (PO201800)	
TOTAL AMOUNT DUE	INVOICE NUMBER	TERMS OF PAYMENT	
187.73	1379148	NET DUE 28 DAYS	

PAGE #	BILLING DATE	BILLED ACCOUNT NUMBER	PARENT ACCOUNT NUMBER
1	07/22/2018	10270	10270

INVOICE

PO 20180332

BILLED ACCOUNT NAME & ADDRESS
 CC ENVIRONMENTAL HEALTH (PO20180001)
 *** ACCTS PAYABLE
 1005 W WORLEY ST
 COLUMBIA MO 65203-2037

PLEASE DETACH AND RETURN UPPER PORTION WITH YOUR REMITTANCE

DATE	REFERENCE	PUB	DESCRIPTION - OTHER COMMENTS / CHARGES	SIZE/PAGES	TIMES	RATE	BALANCE
07/17	2071766	CDT	2510 Oakbrook	69.00	1		62.79
07/17							1.00
07/17	2071766	CDT	Bold word charge	69.00			
07/17							
07/22	2071956	CDT	4813 E Meadow Lark	67.00	1		60.97
07/22							1.00
07/22	2071956	CDT	Bold word charge	67.00			
07/22							
07/22	2071958	CDT	1841 E Riviera	67.00	1		60.97
07/22							1.00
07/22	2071958	CDT	Bold word charge	67.00			
07/22							
PLEASE PAY THIS AMOUNT							187.73

COLUMBIA DAILY TRIBUNE

101 North 4th Street • P.O. Box 798
 Columbia, MO 65205 • (573) 815-1500

*UNAPPLIED AMOUNTS ARE INCLUDED IN TOTAL AMOUNT DUE

ADVERTISER INFORMATION				
INVOICE NUMBER	BILLING PERIOD END DATE	BILLED ACCOUNT NUMBER	PARENT ACCOUNT NUMBER	ADVERTISER / CLIENT NAME
1379148	07/22/18	10270		CC ENVIRONMENTAL HEALTH

CERTIFIED COPY OF ORDER

STATE OF MISSOURI

County of Boone

} ea.

August Session of the July Adjourned

Term. 20 18

In the County Commission of said county, on the 16th day of August 20 18

the following, among other proceedings, were had, viz:

Now on this day the County Commission of the County of Boone does hereby award bid 31-03JUL18 – 2018 Ride-On Sweeper to The G.W. Van Keppel company of Kansas City, Missouri.

Terms of the contract award are stipulated in the attached Purchase Agreement. It is further ordered the Presiding Commissioner is hereby authorized to sign said Purchase Agreement as well as the disposal form for the 2006 Broce BM RJ350 Ride on Broom, fixed asset tag 16220.

Done this 16th day of August, 2018.

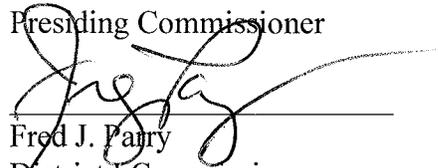
ATTEST:



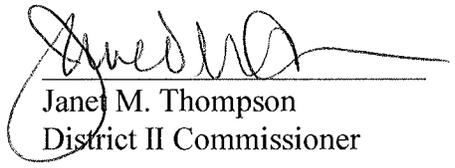
Taylor W. Burks
Clerk of the County Commission



Daniel K. Atwill
Presiding Commissioner



Fred J. Parry
District I Commissioner



Janet M. Thompson
District II Commissioner

BOONE COUNTY
Request for Disposal/Transfer of County Property
Complete, sign, and return to Auditor's Office

Date: April 23, 2018

Fixed Asset Tag Number: 16220

Description of Asset: 2006 Broce Broom

Requested Means of Disposal: Sell Trade-In Recycle/Trash Other, Explain:

Other Information (Serial number, etc.): Model: BM RJ350; SN: 405076; Engine hours: 1556

Condition of Asset: Fair - several hydraulic leaks

Reason for Disposition: Planned replacement for 2018

Location of Asset and Desired Date for Removal to Storage: NA

Was asset purchased with grant funding? YES NO

If "YES", does the grant impose restriction and/or requirements pertaining to disposal? YES NO

If yes, attach documentation demonstrating compliance with the agency's restrictions and/or requirements.

Dept Number & Name: 2040 Road & Bridge

Signature _____

To be Completed by: AUDITOR

Original Acquisition Date 4/20/2007

G/L Account for Proceeds 2040-3835

Original Acquisition Amount 28,250.00

Original Funding Source 2741

Account Group 1604

To be Completed by: COUNTY COMMISSION / COUNTY CLERK

Approved Disposal Method:

_____ Transfer Department Name _____ Number _____

Location within Department _____

Individual _____

_____ Trade _____ Auction _____ Sealed Bids

_____ Other Explain _____

Commission Order Number 383-2018

Date Approved 8.16.18

Signature _____

Boone County Purchasing

Robert Wilson
Buyer



613 E. Ash Street, Room 113
Columbia, MO 65201
Phone: (573) 886-4393
Fax: (573) 886-4390

MEMORANDUM

TO: Boone County Commission
FROM: Robert Wilson
DATE: August 8, 2018
RE: 31-03JUL18- 2018 Ride-On Sweeper

31-03JUL18 – 2018 Ride-On Sweeper opened on July 3, 2018. Three (3) bids were received.

Public Works recommends award by low bid to The G.W. Van Keppel Company of Kansas City, Missouri to purchase one (1) 2018 Broce RCT350.

Cost of the purchase is \$52,981 and will be paid from department 2040 – PW Maintenance Operations, account 92300 – Replacement Equipment.

This is a replacement purchase and the 2018 budgeted amount was \$55,000. Budgeted sale value is \$10,000.00, yielding a net cost of \$42,981.

The Purchasing department requests permission to dispose of the following surplus by sale:

2006 Broce BM RJ350 Ride on Broom with **fixed asset tag 16220**

cc: Greg Edington, PW
Contract File

31-03JUL18 - 2018 Ride-On Sweeper			Cummings, McGowan & West	Martin Equipment	Van Keppel
Vendor			Superior DT74JF	Superior DT80J	Broce RCT 350
Model Offered					
BID TABULATION					
4.7	PRICING	Qty:			
4.7.1.	Ride-On Sweeper	1	\$50,100.00	\$53,000.00	\$50,392.00
4.7.2.	Option: Air Conditioning (2.3.5.)	1	\$2,600.00	\$2,742.75	\$2,589.00
	Freight Charge	1	\$600.00	\$0.00	\$0.00
	Grand Total		\$53,300.00	\$55,742.75	\$52,981.00
4.8.	Describe any warranty restrictions:		Standard	Full year or 1,000 Hours	Standard
4.9.	Delivery (ARO):		12 Weeks	12 Weeks	9-10 Weeks*
4.11.	COOP ? YES OR NO.		Y	Y	N

*See Bid

**PURCHASE AGREEMENT
FOR
2018 RIDE-ON SWEEPER**

THIS AGREEMENT dated the 16th day of August 2018 is made between Boone County, Missouri, a political subdivision of the State of Missouri through the Boone County Commission, herein "County" and **The G.W. Van Keppel Company**, herein "Vendor."

IN CONSIDERATION of the parties performance of the respective obligations contained herein, the parties agree as follows:

1. **Contract Documents** - This agreement shall consist of this Purchase Agreement for a **2018 Broce RCT350**, County of Boone Request for Bid bid number **31-03JUL18** in its entirety including the Introduction and General Conditions of Bidding, Primary Specifications, Response Presentation and Review, the un-executed bid Response Form, Standard Terms and Conditions, as well as the Contractor's bid response dated **July 03, 2018**, executed by **Stephen Berg**, on behalf of the Contractor. All such documents shall constitute the contract documents which are incorporated herein by reference. Service or product data, specification and literature submitted with bid response may be permanently maintained in the County Purchasing Office bid file for this bid if not attached.

2. **Purchase** - The County agrees to purchase from the Vendor and the Vendor agrees to supply the County with one (1) **2018 Broce RCT350**

Description	Qty	Unit Price
2018 Broce RCT350	1	\$50,392.00
Air Conditioning	1	\$2,589.00
Grand Total		\$52,981.00

For a grand contract total of Fifty-Two Thousand, Nine Hundred Eighty-One Dollars (\$52,981.00).

3. **Delivery** - Vendor agrees to deliver equipment as set forth in the bid documents and within 90 days after receipt of order. Delivery shall be to Boone County Road & Bridge, Attn: Greg Edington, 5551 Tom Bass Road, Columbia, MO 65201, FOB - Destination. Units shall be delivered with Bill of Sale and Manufacturer's Statement of Origin. The vendor pays and bears the freight charges.

4. **Billing and Payment** - All billing shall be invoiced to the Boone County Road & Bridge Department and billings may only include the prices listed in the vendor's bid response. No additional fees for paper work processing, labor, or taxes shall be included as additional charges in excess of the charges in the Vendor's bid response to the specifications. The County agrees to pay all invoices within thirty days of receipt. In the event of a billing dispute, the County reserves the right to withhold payment on the disputed amount; in the event the billing dispute is resolved in favor of the Vendor, the County agrees to pay interest at a rate of 9% per annum on disputed amounts withheld commencing from the last date that payment was due.

5. **Binding Effect** - This agreement shall be binding upon the parties hereto and their successors and assigns for so long as this agreement remains in full force and effect.

6. **Termination** - This agreement may be terminated by the County upon thirty days advance written notice for any of the following reasons or under any of the following circumstances:

- a. County may terminate this agreement due to material breach of any term or condition of this agreement, or
- b. County may terminate this agreement if in the opinion of the Boone County Commission if delivery of products are delayed or products delivered are not in conformity with bidding specifications or variances authorized by County, or
- c. If appropriations are not made available and budgeted for any calendar year.

IN WITNESS WHEREOF the parties through their duly authorized representatives have executed this agreement on the day and year first above written.

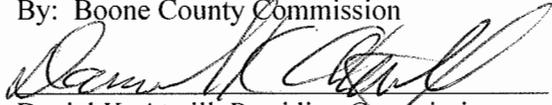
THE G.W. VAN KEPPEL COMPANY

By 

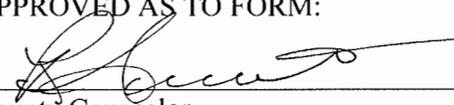
Title TERRITORY MANAGER

BOONE COUNTY, MISSOURI

By: Boone County Commission


Daniel K. Atwill, Presiding Commissioner

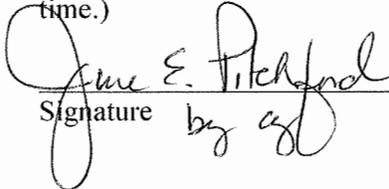
APPROVED AS TO FORM:


County Counselor

ATTEST:


County Clerk

In accordance with RSMo 50.660, I hereby certify that a sufficient unencumbered appropriation balance exists and is available to satisfy the obligation(s) arising from this contract. (Note: Certification of this contract is not required if the terms of this contract do not create a measurable county obligation at this time.)


Signature by *agb*

8/9/18
Date

2040-92300 - \$52,891.00

Appropriation Account

STANDARD TERMS AND CONDITIONS - BOONE COUNTY, MISSOURI

1. Contractor shall comply with all applicable federal, state, and local laws and failure to do so, in County's sole discretion, shall give County the right to terminate this Contract.
2. Responses shall include all charges for packing, delivery, installation, etc., (unless otherwise specified) to the Boone County Department identified in the Request for Bid and/or Proposal.
3. The Boone County Commission has the right to accept or reject any part or parts of all bids, to waive technicalities, and to accept the offer the County Commission considers the most advantageous to the County. Boone County reserves the right to award this bid on an item-by-item basis, or an "all or none" basis, whichever is in the best interest of the County.
4. Bidders must use the bid forms provided for the purpose of submitting bids, must return the bid and bid sheets comprised in this bid, give the unit price, extended totals, and sign the bid. The Purchasing Director reserves the right, when only one bid has been received by the bid closing date, to delay the opening of bids to another date and time in order to revise specifications and/or establish further competition for the commodity or service required. The one (1) bid received will be retained unopened until the new Closing date, or at request of bidder, returned unopened for re-submittal at the new date and time of bid closing.
5. When products or materials of any particular producer or manufacturer are mentioned in our specifications, such products or materials are intended to be descriptive of type or quality and not restricted to those mentioned.
6. Do not include Federal Excise Tax or Sales and Use Taxes in bid process, as law exempts the County from them.
7. The delivery date shall be stated in definite terms, as it will be taken into consideration in awarding the bid.
8. The County Commission reserves the right to cancel all or any part of orders if delivery is not made or work is not started as guaranteed. In case of delay, the Contractor must notify the Purchasing Department.
9. In case of default by the Contractor, the County of Boone will procure the articles or services from other sources and hold the Bidder responsible for any excess cost occasioned thereby.
10. Failure to deliver as guaranteed may disqualify Bidder from future bidding.
11. Prices must be as stated in units of quantity specified and must be firm. Bids qualified by escalator clauses may not be considered unless specified in the bid specifications.
12. No bid transmitted by fax machine or e-mail will be accepted.
13. The County of Boone, Missouri expressly denies responsibility for, or ownership of any item purchased until same is delivered to the County and is accepted by the County.

14. The County reserves the right to award to one or multiple respondents. The County also reserves the right to not award any item or group of items if the services can be obtained from a state or other governmental entities contract under more favorable terms. The resulting contract will be considered "Non-Exclusive". The County reserves the right to purchase from other vendors.
15. The County, from time to time, uses federal grant funds for the procurement of goods and services. Accordingly, the provider of goods and/or services shall comply with federal laws, rules and regulations applicable to the funds used by the County for said procurement, and contract clauses required by the federal government in such circumstances are incorporated herein by reference. These clauses can generally be found in the Federal Transit Administration's Best Practices Procurement Manual – Appendix A. Any questions regarding the applicability of federal clauses to a particular bid should be directed to the Purchasing Department prior to bid opening.
16. In the event of a discrepancy between a unit price and an extended line item price, the unit price shall govern.
17. Should an audit of Contractor's invoices during the term of the Agreement, and any renewals thereof, indicate that the County has remitted payment on invoices that constitute an over-charging to the County above the pricing terms agreed to herein, the Contractor shall issue a refund check to the County for any over-charges within 30-days of being notified of the same.
18. For all bid responses over \$25,000, if any manufactured goods or commodities proposed with bid/proposal response are manufactured or produced outside the United States, this MUST be noted on the Bid/Proposal Response Form or a Memo attached.
19. For all titled vehicles and equipment, the dealer must use the actual delivery date to the County on all transfer documents including the Certificate of Origin (COO,) Manufacturer's Statement of Origin (MSO,) Bill of Sale (BOS,) and Application for Title.
20. Equipment and serial and model numbers - The contractor is strongly encouraged to include equipment serial and model numbers for all amounts invoiced to the County. If equipment serial and model numbers are not provided on the face of the invoice, such information may be required by the County before issuing payment.

4. Response Form

- 4.1. Company Name: THE G.W. VAN KEPPEL COMPANY
- 4.2. Address: 11475 PAGE SERVICE DRIVE
- 4.3. City/Zip: ST. LOUIS, MO 63146
- 4.4. Phone Number: Office: (314) 872-8440 | Mobile: (636)887-1429
- 4.5. Email: sberg@vankeppel.com
- 4.6. Federal Tax ID: 44-0513694
- 4.6.1. Corporation
 Partnership - Name _____
 Individual/Proprietorship - Individual Name _____
 Other (Specify) _____

4.7. PRICING				
	ITEM	MODEL	QTY	UNIT PRICE
4.7.1.	Ride-On Sweeper	NEW 2018 BROCE RCT350	1	\$ 50,392.00
4.7.2.	Option	Air Conditioning (2.3.5.)	1	\$ 2,589.00
4.7.3.	Grand Total			\$ 52,981.00

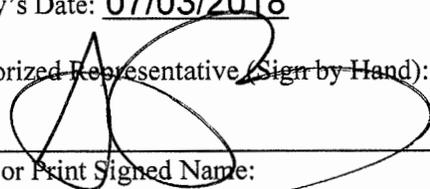
4.8. Describe any warranty restrictions:

4.9. Delivery (ARO): 9-10 Weeks *Units in stock or on order are available sooner than 9-10 weeks. Availability of those units dependent upon optional equipment selected.*

4.10. The undersigned offers to furnish and deliver the articles or services as specified at the prices and terms stated and in strict accordance with the specifications, instructions and general conditions of bidding which have been read and understood, and all of which are made part of this order.

Today's Date: 07/03/2018

Authorized Representative (Sign by Hand):



Type or Print Signed Name:

Stephen Berg (636) 887-1429 | sberg@vankeppel.com

4.11. Will you honor the submitted prices for purchase by other entities in Boone County who participate in cooperative purchasing with Boone County, Missouri?
 _____ Yes No

*** Deviations & Optional Equipment listed on the next page***

2.7 Deviations:

2.3.8 **Brakes:** Broce will provide hydraulic disc brakes on the front axle & hydraulic drum brakes on the rear axle

Optional Equipment:

2.3.13 Lighting System:	(4) LED Strobe lights – 2 visible front/2 visible rear w/switch mounted in the cab	<i>add</i>	\$ 1,112.00
Scraper Blade:	7' 6" Angular Scraper Blade	<i>add</i>	\$ 3,019.00
Water System:	150 Gallon water sprinkling system with poly tank	<i>add</i>	\$ 952.00
Suspension Seat:	Replace standard seat with comfort suspension seat	<i>add</i>	\$ 271.00

STANDARD FEATURES

- Multiple engine options
- 16" tires with 6-hole wheels
- Front disc brakes
- Brush controls totally hydraulic
- Positive neutral shift for towing
- Heavy structural steel with gussets at stress points
- Certified rollover structure & canopy complies with ISO3471

OPTIONAL EQUIPMENT

- 150 gallon water system
- Tilt and telescoping steering wheel
- 2-door cab with heater and air conditioning
- Tow hitch w/ safety chains - surge brake available
- Curb and gutter brush
- 7'6" angling scraper blade
- Varispeed brush

POPULAR APPLICATIONS

- Road paving clean-up
- Chip seal sweeping
- Cleaning behind milling machines
- State and municipal sweeping maintenance
- Landfill road maintenance
- Quarry road maintenance
- Industrial yard and trucking yard sweeping
- Airport runway and maintenance sweeping



Broce Broom is the **original**, construction sweeper company and continues to lead the industry with rugged and versatile brooms for any size project.

With over 50 years in the business, Broce Brooms provide unequaled quality and performance at a competitive price.

THE ORIGINAL
CONSTRUCTION
BROOM COMPANY

Sales: (866) 579-2488
www.brocebroom.com

Broce Broom

WHY THE BROCE 350 SERIES?

Hydraulically controlled broom: Allows operator to make smaller adjustments as needed.

Hydrostatic drive w/ 2 speed gear box: Unique hydrostatic drive train with a hot oil shuttle built into the drive motor for continuous oil flow back to the cooler.

Low maintenance: Use of Aeroquip hoses and flat faced O-ring hydraulic fittings; hydraulic cut-off valve for ease of changing oil. Brake master cylinder is easily accessible; has front disc brakes.

Large scraper blade: Ensures no material spill over. Optional 7 1/2 foot blade available.

Easy access to parts: Most parts on hand with just a call. We even carry the competitors parts.

Emergency exit: Instead of crawling over the control panel and breaking a window, we have an easy emergency exit.

COMPARE US WITH THE COMPETITION

American owned with over 50 years of manufacturing experience. Broce Manufacturing Company is the only road broom manufacturer with actual contractor experience. The 350 Series Broce Broom offers comfort and performance with more standard equipment at competitive prices.

BROCE 350 SERIES

- Broom controls are within reach of the operator so they are not taking their eyes off road
- 2 cab doors are standard
- Cross ventilation in the cab
- 14 gauge steel canopy
- Round brush cover resulting in less material build-up
- Enclosed, heavy duty, tilt back engine cover for giving full access.
- Broce has over 50 years in the construction business

OUR COMPETITORS

- Electronic, push button broom controls are located at the operators hip requiring a look away
- 1 cab door. 2 doors are an option
- No cross ventilation in the cab
- Canopy is plastic / fiberglass
- Brush cover not rounded allowing build up of materials in dead corners
- Engine cover doesn't tilt; more than 50 bolts to be removed for access.
- The competition has less than 20 years experience



OVER 50 YEARS OF SERVICE TO THE INDUSTRY

Broce Broom

THE LEADER 350 Series



Visit our web site at
www.brocebroom.com

CALL TOLL F



THE G.W. VAN KEPPEL CO.
www.vankeppel.com

866-579-2488
877-227-8811 - Parts



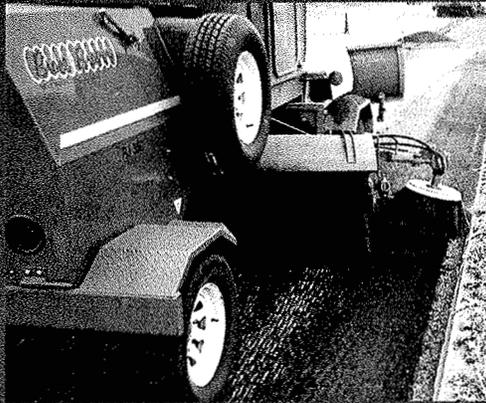
RCT-350

STEPHEN BERG
Territory Manager CE Group

11475 Page Service Dr.
St Louis, MO 63146

Office 314-872-8440
Fax 314-993-6402
Mobile 626-887-1429

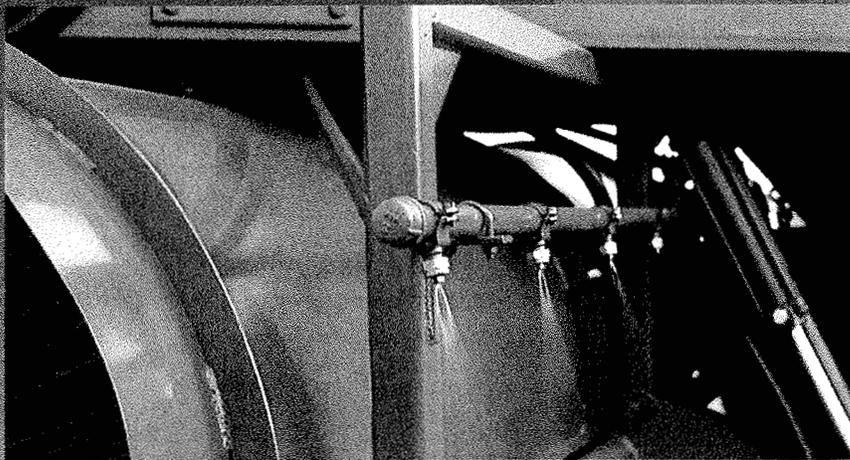
OPTIONAL CURB SWEEPER



EASY TO OPERATE WITH CONTROLS AT OPERATOR'S STATION

The Broce Curb Sweeper is a special option available on all 4-wheel model Broce Brooms. This attachment has been designed to help clean in places that are tough to reach and are outside the sweeping radius of the main broom core.

The Broce Curb Sweeper features a 27" diameter brush, heavy-duty construction, a reversible hydraulic motor and hydraulically operated float and down pressure for heavy sweeping.

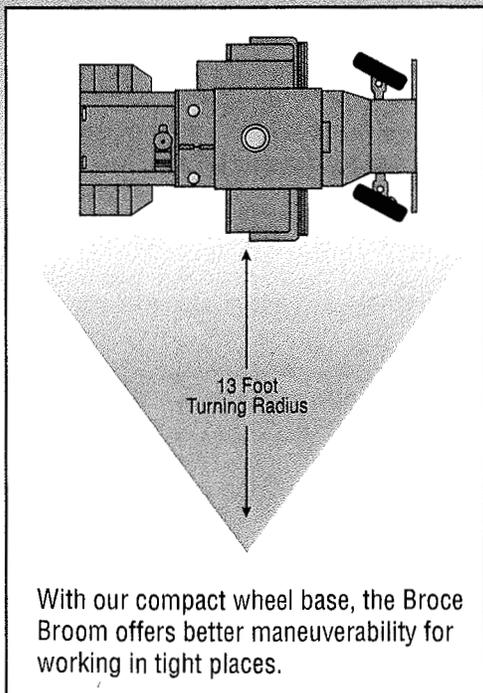


WATER SPRAY SYSTEMS DUST CONTROL WHEN YOU NEED IT



KEEP THE DUST TO A MINIMUM FOR CONVENIENCE AND SAFETY

Our 150 gallon rust proof water spray system consists of a low profile polyethylene tank, 2.1 gpm electric pump, strainer filter and 8 spray nozzles to control excessive dust with the push of a button. This system also includes a back flow valve to prevent tank drainage when not in use.



With our compact wheel base, the Broce Broom offers better maneuverability for working in tight places.

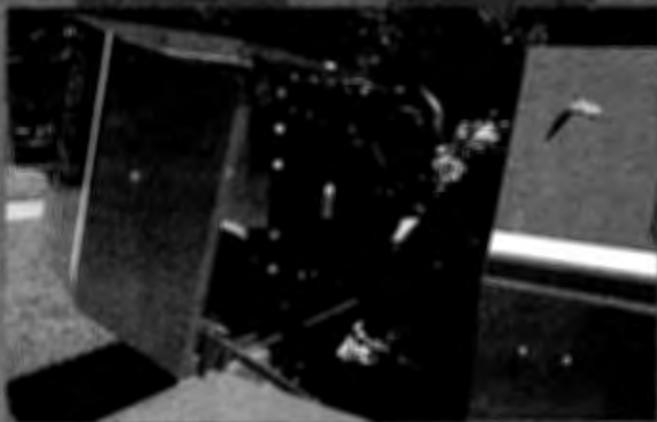
EXCLUSIVE

Joystick broom control with easy access from operator's station.



OPTIONAL Suspension seat.





ENGINE MAINTENANCE & EASE OF ACCESSIBILITY

The enclosed engine cover is standard equipment on all Broce Brooms. Tilt back cover design offers maximum accessibility and ease of maintenance.



STANDARD

Front Disc Brakes



HYDROSTATIC DRIVE WITH 2 SPEED GEAR BOX

All Broce Brooms are supplied with our unique hydrostatic drive train with a hot oil shuttle built into the drive motor for continuous oil flow back to the cooler.



DIRECT DRIVE CORE MOTOR

Broce uses a Danfoss HD High Torque Motor with two roller bearings designed for high side loads. Now a full 8 ft. brush.



DEFROSTER PLENUM

Plenum utilizes the fan and the warm air from the heater and has three vents to direct the warm air onto the windshield.



USE THE BLADE FOR CLEANING BEHIND YOUR MILLING MACHINE OR CHIP AND SEAL JOBS

The blade will hydraulically lift vertically for clearance and angle right to left with a control located at operator's station. A quick coupling allows the blade to be removed when not in use. The replaceable cutting edge will give hours of continued use.



OPTIONAL 7 1/2 FOOT SCRAPER BLADE

White heavy material buildup is a problem. The Broce Scraper Blade is a match!

BROCE BROOM HYDROSTATIC DRIVE SPECIFICATIONS

Standard Equipment Specs

- Certified Roll Over Structure and Canopy complies with ISO3471
- Main Frame - All Welded 6" Channel
- Heavy Structural Steel with Gussets at Stress Points
- 6" Rectangular Tubing - Front and Rear Bumpers
- Front Fenders are Standard Equipment on Some Configurations
- Weight (standard unit) - 5,000 lbs.
- Overall Length - 14' 4"
- Overall Width for Transport - 8' 2"
- Overall Height - 8' 6"
- Inside Turning Radius - 13'
- Brakes - Equipped with Dual Master Cylinder, Four Wheel Hydraulic Self Adjusting on Rear and Disc on Front, and Mechanical Parking Brake
- Brush Core - 8' all Steel Welded Construction
- Brush Filler - 10" x 32" Wafers - Prostran
- Sweeping Width - 8'
- Brush Drive - Direct Drive Motor enclosed in Core, 192 RPM under load
- Core Cover - 140 degrees 14 Gauge Steel with Rock Deflector
- Swing Frame - Mounted on 10 Heavy Duty Sealed Ball Bearings
- Sweeping Angle - 45 degrees Left or Right
- Broom Controls - Single Lever Joystick Control Valve w/Adjustable Down Pressure and Float Position
- Hydraulic Tank Capacity - 27 US Gallons w/100 Mesh Suction Strainer
- Operating Pressure - 3,000 PSI
- Pump Capacity - 26 GPM at 2400 RPM
- Filter - Two 10 Micron Replaceable Element (suction and return)
- Fuel Capacity - 27 US Gallons
- Front Axle - Heavy Duty Oscillating w/Disc Brakes
- Rear Axle - Dana Heavy Duty Truck Type w/Drum Brakes
- Wheels - 6 x 16 - 6 Bolt on 5 1/2 Centers
- Tires - LT225X75X 16 Load Range E
- Steering - Orbital Type Power Steering
- Padded Seat with Arm Rest and Seat Belts Complies with ISO 6683
- Cross-Link Electrical Wiring Complies with SAE J-1128
- Instruments and Controls - Water Temperature, Oil Pressure, Volt Meter, Tachometer, Hour Meter, Fuel Gauge, Reverse Alarm, Rear View Mirror, Controls for Broom Drive, Core Angling, Core Height, Electric Core Lock, Engine Throttle, Brakes, Directional Control, Parking Brake with Engaging Light, Traffic Horn
- Transmission - Hydrostatic Pump and Motor coupled to a 2-Speed Gearbox with Neutral Shift for Towing. Low Gear 13 MPH, High Gear 34 MPH
- Air Cleaner - Donaldson Dual Element Type with Precleaner
- Engine Options: Model
RCT-350 2.8 Turbocharged Cummins Diesel, 74 HP @2500-Tier 4 Final

In an effort to improve the product, Broce Mfg. reserves the right to change without prior notice or obligation any specifications and/or features.

Optional Equipment

- 150 Gallon Water Sprinkling System w/Poly Tank
- Tilt & Telescoping Steering
- 7 1/2 Ft. Scraper Blade
- Canopy Windshield
- Light Group - Turn Signals, Warning Lights, Halogen Headlights and Taillights
- Work Lights - Side or Rear
- Amber Beacon or Strobe Light
- Turbo II Precleaner or Sy-Klone
- Extension Air Cleaner Stack
- Spare Tire with Mount
- Enclosed Cab with Safety Glass and Wiper
- Cab Heater and Defroster Plenum
- Pressurized Air Conditioning
- Rear Windshield Wiper
- Windshield Washer - Front or Rear
- Hydraulic Temperature Gauge
- Tow Hitch with Safety Chains - Surge Brake Available
- Suspension Seat
- Audible Engine Alarm System
- 96" Poly Tube Broom
- Hydrostatic Hand Control
- Heavy Duty Rear Axle
- Curb and Gutter Brush
- Safety Engine Shut Down System
- Block Heater
- AM/FM Stereo Package
- Vari-Speed Brush
- Down Pressure Limit Valve
- 41 Gallon Fuel Tank
- Hanging Rock Gaurd

Servicing Dealer

Visit our web site at
www.brocebroom.com

The logo for Broce Broom, featuring the words "Broce Broom" in a stylized, cursive font with a circular graphic element behind the text.

Broce Manufacturing Co. • 205 E. Main • Norman, OK 73069-1304
CALL TOLL FREE - Sales: 800-579-2488 • Parts & Service: 877-227-8811



Request for Bid (RFB)

Boone County Purchasing
613 E. Ash Street, Room 113
Columbia, MO 65201

Robert Wilson, Buyer
(573) 886-4393 – Fax: (573) 886-4390
Email: rwilson@boonecountymo.org

Bid Data

Bid Number: **31-03JUL18**
Commodity Title: **2018 Ride-on Sweeper**

DIRECT BID FORMAT OR SUBMISSION QUESTIONS TO THE PURCHASING DEPARTMENT

Bid Submission Address and Deadline

Day / Date: **Tuesday, July 03, 2018**
Time: **2:00 P.M. (Bids received after this time will be returned unopened)**
Location / Mail Address: **Boone County Purchasing Department
Boone County Annex Building
613 E. Ash Street, Room 109
Columbia, MO 65201**

Directions: The Purchasing office is located on the Northwest corner at 7th Street and Ash Street. Enter the building from the South side. Wheel chair accessible entrance is available.

Bid Opening

Day / Date: **Tuesday, July 03, 2018**
Time: **2:00 P.M. (Bids received after this time will be returned unopened)**
Location / Address: **Boone County Annex Building
613 E. Ash Street, Room 109
Columbia, MO 65201**

Bid Contents

- 1.0: **Introduction and General Conditions of Bidding**
- 2.0: **Primary Specifications**
- 3.0: **Response Presentation and Review**
- 4.0: **Response Form
Standard Terms and Conditions
“No Bid” Response Form**

1. Introduction and General Conditions of Bidding

- 1.1. **INVITATION** - The County of Boone, through its Purchasing Department, invites responses, which offer to provide the goods and/or services identified on the title page, and described in greater detail in Section 2.
- 1.2. **DEFINITIONS**
- 1.2.1. **County** - This term refers to the County of Boone, a duly organized public entity. It may also be used as a pronoun for various subsets of the County organization, including, as the context will indicate:
Purchasing - The Purchasing Department, including its Purchasing Director and staff.
Department(s) or Office(s) - The County Department(s) or Office(s) for which this Bid is prepared, and which will be the end user(s) of the goods and/or services sought.
Designee - The County employee(s) assigned as your primary contact(s) for interaction regarding Contract performance.
- 1.2.2. **Bidder / Contractor / Supplier** - These terms refer generally to businesses having some sort of relationship to or with us. The term may apply differently to different classes of entities, as the context will indicate.
Bidder - Any business entity submitting a response to this Bid. Suppliers, which may be invited to respond, or which express interest in this bid, but which do not submit a response, have no obligations with respect to the bid requirements.
Contractor - The Bidder whose response to this bid is found by Purchasing to meet the best interests of the County. The Contractor will be selected for award and will enter into a Contract for provision of the goods and/or services described in the Bid.
Supplier - All business(s) entities which may provide the subject goods and/or services.
- 1.2.3. **Bid** - This entire document, including attachments. A Bid may be used to solicit various kinds of information. The kind of information this Bid seeks is indicated by the title appearing at the top of the first page. A "Request for Bid" is used when the need is well defined. A "Request for Proposal" is used when the County will consider solutions, which may vary significantly from each other or from the County's initial expectations.
- 1.2.4. **Response** - The written, sealed document submitted according to the Bid instructions.
- 1.3. **BID CLARIFICATION** - Questions regarding this Bid should be directed in writing, by e-mail or fax, to the Purchasing Department. Answers, citing the question asked but not identifying the questioner, will be distributed simultaneously to all known prospective Bidders in the form of an addendum. We strongly suggest that you check for any addenda a minimum of forty-eight (48) hours in advance of the bid deadline. Bids, addendums, bid tabulations and bid awards are posted on our web site at: www.showmeboone.com
 Note: written requirements in the Bid or its Amendments are binding, but any oral communications between County and Bidder are not.
- 1.3.1. **Bidder Responsibility** - The Bidder is expected to be thoroughly familiar with all specifications and requirements of this Bid. Bidder's failure or omission to examine any relevant form, article, site or document will not relieve them from any obligation regarding this Bid. By submitting a Response, Bidder is presumed to concur with all terms, conditions and specifications of this Bid.
- 1.3.2. **Bid Amendment** - If it becomes evident that this Bid must be amended, the Purchasing Department will issue a formal written Amendment to all known prospective Bidders. If necessary, a new due date will be established.
- 1.4. **AWARD** - Award will be made to the Bidder(s) whose offer(s) provide the greatest value to the County from the standpoint of suitability to purpose, quality, service, previous experience, price, lifecycle cost, ability to deliver, or for any other reason deemed by Purchasing to be in the best interest of the County. Thus, the result will not be determined by price alone. The County will be seeking the least costly outcome that meets the County needs as interpreted by the County. The County reserves the right to award this bid on an item by item basis, or an "all or none" basis, whichever is in the best interest of the County.

- 1.5. **CONTRACT EXECUTION** - This Bid and the Contractor's Response will be made part of any resultant Contract and will be incorporated in the Contract as set forth, verbatim.
- 1.5.1. **Precedence** - In the event of contradictions or conflicts between the provisions of the documents comprising this Contract, they will be resolved by giving precedence in the following order:
- 1) the provisions of the Contract (as it may be amended);
 - 2) the provisions of the Bid;
 - 3) the provisions of the Bidder's Response.
- 1.6. **COMPLIANCE WITH STANDARD TERMS AND CONDITIONS** - Bidder agrees to be bound by the County's standard "boilerplate" terms and conditions for Contracts, a sample of which is attached to this Bid.

2. Primary Specifications

-
- 2.1. **ITEMS TO BE PROVIDED** - New, year 2017/18 Model Self Propelled Road Sweeper with manufacturer's standard equipment and features specified below.
- 2.2. **ACCEPTABLE MODELS** – Superior Broom DT80J; Broce Broom RJT 350; Or pre-approved equal.
- 2.2.1. **Quantity** – 1 each (Note: Vendor will be bidding on one (1) machine.)
- 2.3. **MINIMUM TECHNICAL SPECIFICATIONS**
- 2.3.1. **Operating Weight:** A minimum of 4,500 lb. and heaviest configuration shall not exceed 6,000 lbs. Including ROPS/FOPS enclosed cab.
- 2.3.2. **Engine:** Rear mounted for better visibility. Minimum 276 cubic inch (4.5 liter), 74 HP diesel at 2400/2500 RPM. Diesel engine to be equipped with replaceable wet-type forged steel cylinder liners and forged dynamically balanced crankshaft constructed of heat-treated high carbon steel. Air cleaner to be dual element dry-type with pre-cleaner at cab height, 12-volt system, 95 amp. And 950 CCA battery. Alternator, ignition key start and variable speed governor. Fuel tank to be 27 gallons minimum and have interior rust-inhibiting coating. Engine shall be completely covered with hinged, solid metal, lockable cover.
- 2.3.3. **Transmission:** Shall be fully hydrostatic, with speeds infinitely variable to 34 - 35 MPH. A 10-micron suction filter will provide oil to the hydrostatic pump. Hydrostatic transmission shall be a closed loop, variable speed direct engine pump, with a fixed displacement motor coupled with a two-speed manual transmission, to provide gradeability up to 45 degrees and neutral position for towing. Closed loop cooling is enhanced by a hot oil shuttle built into the motor and the case drain in the hydrostatic pump, returned to the tank through the oil cooler. Foot control shall be used for forward and reverse, as well as dynamic braking. Hydrostatic control to be spring loaded to return to positive neutral position when foot is removed. This prevents inadvertent movement when sitting stationary, with the engine running.
- 2.3.4. **Instruments:** All gauges to be assembled on a common dash with easy visibility from operator's seat. To include hour meter, tachometer, oil, water temperature, and fuel gauge. Traffic horn with horn button inside steering wheel and reverse alarm, with a minimum of 87 decibels.
- 2.3.5. **Frame and Cab:** All material shall be solid weld, heavy structural steel, minimum 6" channel front and rear bumpers. Certified OSHA approved rollover protection structure (ROPS) and Cab with heavy duty tinted safety glass, right and left full view doors, door locks, windshield wiper, padded insulation, floor mat, heater and defroster fan, windshield washer, west coast mirrors. Alternates include air conditioning. Air conditioning shall consist of a pressurized system with condenser mounted in the rear with the radiator and oil cooler condenser. Blower fan shall be of sufficient CFM to adequately cool the cab.
- 2.3.6. **Steering:** Shall be open center orbital type power steering unit, with power beyond and dead steering capabilities.
- 2.3.7. **Tires:** P225/75R16 radials on 6 bolt steel automotive grade wheels. All wheels must interchange front and rear.
- 2.3.8. **Brakes:** Rear brake shall be self-adjusting hydraulic with dual master cylinder for backup safety. A mechanical type parking brake with indicator light shall be furnished. Brakes shall be disc type.
- 2.3.9. **Towing:** Machine can be towed, with no disassembly of any part. To be towed for unlimited time for speeds up to 45 MPH, when equipped for a surge brake and dual master cylinder. Hydraulic lockouts which limit towing distance or speed are **not** acceptable.

- 2.3.10. **Brush Core:** Shall be steel constructed for use with minimum 32” diameter wafer type brush segments. Shall be 10” diameter by 8’ in length with capacity for 7’-6” of polypropylene wafers. Brush to be powered by hydraulic motor independent of travel speed, with direct drive motor located inside the brush core. A heavy-duty shock absorber to be utilized on core support frame to maintain core balance. Full length rubber shield shall be provided to deflect flying debris from damaging other parts of the sweeper. Brush assembly shall have a wrap-around type, metal shield the length of the brush core and covering 140 degrees at a minimum. Brush shall be outfitted with electronic variable speed brush control for varied speeds in different applications.
- 2.3.11. **Sweeping Angle:** Unit shall be capable of sweeping 45 degrees left to 45 degrees right.
- 2.3.12. **Brush Mounting:** Brush shall be mounted in such a manner that it is “pulled” permitting it to “float” through a range of at least 12” to follow the contour of the pavement plus the ability to be locked in any position, for extra heavy sweeping.
- 2.3.13. **Lighting Systems:** Machine shall include two headlamps, stop, tail and turn signals with controller and flasher (including 4-way flashers). Optional equipment shall include 4 led strobes – two visible from the front and two from the rear with separate switch mounted in the cab.
- 2.3.14. **Overall Operating Specification/Dimensions:** Minimum wheelbase of 133 in. Unit shall have a maximum overall transport length of 172”.
- 2.3.15. **Manuals/Videos:** Operator’s manual, safety and operation video, parts book(s) and service/repair manual(s) shall be furnished with each machine upon delivery. Manual(s) may be in the form of CD’s or DVD’s.
- 2.4. **Equipment Training:** The successful vendor agrees to provide an appropriate on-site machine operation and preventative maintenance training program for a maximum of two (2) county operators and two (2) county equipment technicians in sufficient scope as to assure efficient and economical performances and maintenance of the equipment as purchased.
- 2.5. **Vendor Service/Repair Facilities:** Because the maintenance and repair of this type equipment is complex and due to the critical nature of our operation, repair parts and service must be adequately and readily available. The vendor shall certify that he/she maintains an adequate stock of repair parts and service items within the area and employs qualified service and repair technicians within the area, available within 12 hours. The vendor should state in the returned bid response the location of the service and repair facility, parts depot, and credentials of the service and repair person(s).
- 2.6. **Demonstration:** Prior to awarding the bid, vendor(s) may be requested to demonstrate equipment on-site at the Boone County Public Works Department to determine the most feasible and suitable machine for the operation. Evaluation will be based upon engine power and performance, fuel consumption, broom performance, operator cab configuration, comfort, conveniences, operator visibility 360 degrees, and ease of maintenance and repair, as well as, scheduled preventative maintenance costs.
- 2.7. **Deviation(s):** Any deviation(s) to the above specification(s) shall be listed on a separate sheet(s) of paper and attached to the response form stating section number, component(s) with deviation(s) and a clearly defined explanation for deviation(s).
- 2.8. **Warranty:** A full machine, 1 year / unlimited hour warranty shall be applied to the machine.
- 2.9. **Designee** – Boone County Road & Bridge
- 2.9.1. **Contact** – Robert Wilson, Boone County Purchasing Department 613 E. Ash St., Room 113, Columbia, MO 65201. Telephone: 573-886-4393 Fax: 573-886-4390
Email: rwilson@boonecountymmo.org

- 2.10. **Delivery:** Units shall be delivered with Bill of Sale and Manufacturer's Statement of Origin.
- 2.10.1. **Delivery Terms:** FOB Boone County Road & Bridge Department, 5551 Tom Bass Road, Columbia, MO 65201
- 2.11. **SPECIAL CONDITIONS AND REQUIREMENTS**
- 2.11.1. Equipment shall be properly serviced, including grease and oil to the proper levels.
- 2.11.2. Vendor to include product literature for each proposed piece of equipment.
- 2.11.3. Bid evaluation will be based on quality, reliability, delivery time ARO, and cost. Quality and reliability may be determined by using information contained in product reviews from established publications and demonstration of machine.
- 2.12. **Bid Clarification** - Any questions or clarifications concerning bid documents should be addressed to Robert Wilson, Buyer, 613 E. Ash Street, Room 113, Columbia, Missouri 65201. Telephone (573) 886-4393 Fax (573) 886-4390, E-mail: rwilson@boonecountymo.org.
- 2.13. **County Authorized Representative** – Boone County Road & Bridge Department, Greg Edington, Director, Public Works, 5551 Tom Bass Rd., Columbia, Missouri 65201.
- 2.14. The County of Boone reserves the right to accept or reject any and all bids in the best interest of the County.
- 2.15. **Pricing:** Firm bids are desired. Bids which are not subject to any form of escalation may receive favorable consideration during the evaluation of bids. Any bid which is subject to an open or unlimited escalator clause may be rejected. The County reserves the right to consider any bid which may be offered subject to an escalator clause which is based on a nationally recognized index which permits both upward and downward escalation.

3. Response Presentation and Review

- 3.1. **RESPONSE CONTENT** - In order to enable direct comparison of competing Responses, you must submit your Response in strict conformity to the requirements stated here. Failure to adhere to all requirements may result in your Response being disqualified as non-responsive. All Responses must be submitted using the provided Response Sheet. Every question must be answered and if not applicable, the section must contain "N/A" or "No Bid". Manufacturer's published specifications for the items requested shall be included with the response.
- 3.2. **SUBMITTAL OF RESPONSES** - Responses **MUST** be received by the date and time noted on the title page under "Bid Submission Information and Deadline". **NO EXCEPTIONS**. We are not responsible for late or incorrect deliveries from the US Postal Service or any other mail carrier.
- 3.2.1. **Submittal Package** – Submit to the location specified on the title page **three (3) complete copies** of your Response in a single sealed envelope, clearly marked on the outside with your company name and return address, the proposal number and the due date and time.
- 3.2.2. **Advice of Award** - A Bid Tabulation of responses received as well as Award status can be viewed at www.showmeboone.com.
- 3.3. **BID OPENING** - On the date and time and at the location specified on the title page under "Bid Opening", all Responses will be opened in public. Brief summary information from each will be read aloud.
- 3.3.1. **Removal from Vendor Database** - If any prospective Bidder currently in our Vendor Database to whom the Bid was sent elects not to submit a Response and fails to reply in writing stating reasons for not bidding, that Bidder's name may be removed from our database. Other reasons for removal include unwillingness or inability to show financial responsibility, reported poor performance, unsatisfactory service, or repeated inability to meet delivery requirements.
- 3.4. **RESPONSE CLARIFICATION** – County reserves the right to request additional written or oral information from Bidders in order to obtain clarification of their Responses.
- 3.4.1. **Rejection or Correction of Responses** – County reserves the right to reject any or all Responses. Minor irregularities or informalities in any Response which are immaterial or inconsequential in nature and are neither affected by law nor at substantial variance with Bid conditions, may be waived at our discretion whenever it is determined to be in the County's best interest.
- 3.5. **EVALUATION PROCESS** - Our sole purpose in the evaluation process is to determine from among the Responses received which one is best suited to meet the County's needs at the lowest possible cost. Any final analysis or weighted point score does not imply that one Bidder is superior to another, but simply that in our judgment the Contractor selected appears to offer the best overall solution for our current and anticipated needs at the lowest possible cost.
- 3.5.1. **Method of Evaluation** – County will evaluate submitted responses in relation to all aspects of this Bid.
- 3.5.2. **Acceptability** – The County reserves the sole right to determine whether goods and/or services offered are acceptable for our use. County also reserves the right to request samples of any and/or all equivalent products bid in order to ensure comparative quality between those items and the name brand items specified.
- 3.5.3. In the event of a discrepancy between a unit price and an extended line item price, the unit price shall govern.
- 3.5.4. **Endurance of Pricing** – Bidders' pricing must be held until contract execution or 60 days, whichever comes first.

4. Response Form

4.1. Company Name:

4.2. Address:

4.3. City/Zip:

4.4. Phone Number:

4.5. Email:

4.6. Federal Tax ID:

- 4.6.1. () Corporation
- () Partnership - Name _____
- () Individual/Proprietorship - Individual Name _____
- () Other (Specify) _____

4.7. PRICING				
	ITEM	MODEL	QTY	UNIT PRICE
4.7.1.	Ride-On Sweeper		1	\$
4.7.2.	Option	Air Conditioning (2.3.5.)	1	\$
4.7.3.	Grand Total			\$

4.8. Describe any warranty restrictions:

4.9. Delivery (ARO): _____

4.10. The undersigned offers to furnish and deliver the articles or services as specified at the prices and terms stated and in strict accordance with the specifications, instructions and general conditions of bidding which have been read and understood, and all of which are made part of this order.

Today's Date: _____

Authorized Representative (Sign by Hand):

Type or Print Signed Name:

4.11. Will you honor the submitted prices for purchase by other entities in Boone County who participate in cooperative purchasing with Boone County, Missouri?

_____ Yes _____ No

STANDARD TERMS AND CONDITIONS - BOONE COUNTY, MISSOURI

1. Contractor shall comply with all applicable federal, state, and local laws and failure to do so, in County's sole discretion, shall give County the right to terminate this Contract.
2. Responses shall include all charges for packing, delivery, installation, etc., (unless otherwise specified) to the Boone County Department identified in the Request for Bid and/or Proposal.
3. The Boone County Commission has the right to accept or reject any part or parts of all bids, to waive technicalities, and to accept the offer the County Commission considers the most advantageous to the County. Boone County reserves the right to award this bid on an item-by-item basis, or an "all or none" basis, whichever is in the best interest of the County.
4. Bidders must use the bid forms provided for the purpose of submitting bids, must return the bid and bid sheets comprised in this bid, give the unit price, extended totals, and sign the bid. The Purchasing Director reserves the right, when only one bid has been received by the bid closing date, to delay the opening of bids to another date and time in order to revise specifications and/or establish further competition for the commodity or service required. The one (1) bid received will be retained unopened until the new Closing date, or at request of bidder, returned unopened for re-submittal at the new date and time of bid closing.
5. When products or materials of any particular producer or manufacturer are mentioned in our specifications, such products or materials are intended to be descriptive of type or quality and not restricted to those mentioned.
6. Do not include Federal Excise Tax or Sales and Use Taxes in bid process, as law exempts the County from them.
7. The delivery date shall be stated in definite terms, as it will be taken into consideration in awarding the bid.
8. The County Commission reserves the right to cancel all or any part of orders if delivery is not made or work is not started as guaranteed. In case of delay, the Contractor must notify the Purchasing Department.
9. In case of default by the Contractor, the County of Boone will procure the articles or services from other sources and hold the Bidder responsible for any excess cost occasioned thereby.
10. Failure to deliver as guaranteed may disqualify Bidder from future bidding.
11. Prices must be as stated in units of quantity specified and must be firm. Bids qualified by escalator clauses may not be considered unless specified in the bid specifications.
12. No bid transmitted by fax machine or e-mail will be accepted.
13. The County of Boone, Missouri expressly denies responsibility for, or ownership of any item purchased until same is delivered to the County and is accepted by the County.
14. The County reserves the right to award to one or multiple respondents. The County also reserves the right to not award any item or group of items if the services can be obtained from a state or other governmental entities contract under more favorable terms. The resulting contract will be considered "Non-Exclusive". The County reserves the right to purchase from other vendors.

15. The County, from time to time, uses federal grant funds for the procurement of goods and services. Accordingly, the provider of goods and/or services shall comply with federal laws, rules and regulations applicable to the funds used by the County for said procurement, and contract clauses required by the federal government in such circumstances are incorporated herein by reference. These clauses can generally be found in the Federal Transit Administration's Best Practices Procurement Manual – Appendix A. Any questions regarding the applicability of federal clauses to a particular bid should be directed to the Purchasing Department prior to bid opening.
16. In the event of a discrepancy between a unit price and an extended line item price, the unit price shall govern.
17. Should an audit of Contractor's invoices during the term of the Agreement, and any renewals thereof, indicate that the County has remitted payment on invoices that constitute an over-charging to the County above the pricing terms agreed to herein, the Contractor shall issue a refund check to the County for any over-charges within 30-days of being notified of the same.
18. For all bid responses over \$25,000, if any manufactured goods or commodities proposed with bid/proposal response are manufactured or produced outside the United States, this MUST be noted on the Bid/Proposal Response Form or a Memo attached.
19. For all titled vehicles and equipment the dealer must use the actual delivery date to the County on all transfer documents including the Certificate of Origin (COO,) Manufacturer's Statement of Origin (MSO,) Bill of Sale (BOS,) and Application for Title.
20. Equipment and serial and model numbers - The contractor is strongly encouraged to include equipment serial and model numbers for all amounts invoiced to the County. If equipment serial and model numbers are not provided on the face of the invoice, such information may be required by the County before issuing payment.



Boone County Purchasing
613 E. Ash Street, Room 109
Columbia, MO 65201

“No Bid” Response Form

Robert Wilson, Buyer
(573) 886-4393 – Fax: (573) 886-4390
Email: rwilson@boonecountymo.org

“NO BID RESPONSE FORM”

NOTE: COMPLETE AND RETURN THIS FORM ONLY IF YOU DO NOT WANT TO SUBMIT A BID

If you do not wish to respond to this bid request but would like to remain on the Boone County vendor list **for this service/commodity**, please remove form and return to the Purchasing Department by email, mail or fax.

If you would like to FAX this “No Bid” Response Form to our office, the FAX number is (573) 886-4390.

Bid: 31-03JUL18- 2018 Ride-on Sweeper

Business Name: _____

Address: _____

Telephone: _____

Contact: _____

Date: _____

Reason(s) for not bidding:

CERTIFIED COPY OF ORDER

STATE OF MISSOURI

August Session of the July Adjourned

Term. 20 18

County of Boone

} ea.

In the County Commission of said county, on the 16th day of August 20 18

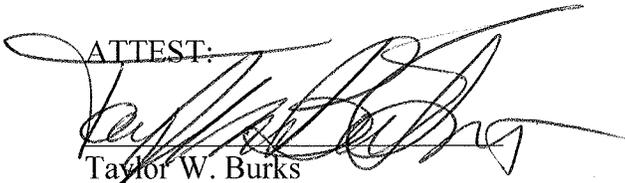
the following, among other proceedings, were had, viz:

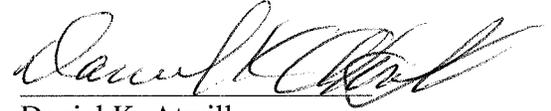
Now on this day the County Commission of the County of Boone does hereby award bid 29-15JUN18 – Used Radio Equipment Shelter to Telecom Product, LLC of Watertown, South Dakota.

Terms of the contract award are stipulated in the attached Purchase Agreement. It is further ordered the Presiding Commissioner is hereby authorized to sign said Purchase Agreement.

Done this 16th day of August, 2018.

ATTEST:

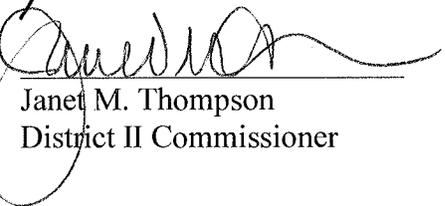

Taylor W. Burks
Clerk of the County Commission



Daniel K. Atwill
Presiding Commissioner



Fred J. Parry
District I Commissioner



Janet M. Thompson
District II Commissioner

Boone County Purchasing

Melinda Bobbitt, CPPO, CPPB
Director of Purchasing



613 E.Ash St., Room 110
Columbia, MO 65201
Phone: (573) 886-4391
Fax: (573) 886-4390

MEMORANDUM

TO: Boone County Commission
FROM: Melinda Bobbitt, CPPO, CPPB
DATE: August 9, 2018
RE: RFP Award Recommendation: *29-15JUN18 – Used Radio Equipment Shelter*

Request for Proposal *29-15JUN18 – Used Radio Equipment Shelter* closed on June 15, 2018. Two vendors responded with five shelters bid. Dave Dunford, our Radio Consultant, recommends award to Telecom Product Profiles, LLC of Watertown, South Dakota for offering the lowest and best proposal response per the attached evaluation report. Contract award is \$22,550.

Invoice will be paid from department 2706 – Radio Network Improvements, account 91300 – Machinery & Equipment. \$504,194 was budgeted.

ATT: Evaluation Memo per Dave Dunford
Bid Tab

cc: Bid File
Chad Martin, Pat Schreiner, Dave Dunford, Joint Communications

County of Boone -- MO
RFP 29-15JUN18
Review, Evaluation, and Recommendation

Prepared 7-11-2018 by David O. Dunford, Radio Consultant

This document was prepared following the issuance, receipt and subsequent request for clarifications and BAFO for procurement of an equipment shelter to be used in conjunction with the Boone County Joint Communications radio network development at the new BCB site. An RFP was generated seeking proposals to furnish, deliver, and set a prefabricated cementitious equipment shelter by qualified vendors. The shelter was expected to be a surplus unit from the wireless/cellular industry and would include typical hardware and features of interest to County.

Responsive proposals were received from two qualified vendors offering a total of five different shelters. A review of those proposals led County to issue a request for clarification and BAFO (Best And Final Offer) to the two Offerors which in turn led to responses from both parties, each focused on a single shelter. In the request for clarification and BAFO, County focused on the following areas for consideration:

1. County requested a 'newer' shelter, nominally 10-15 years old
2. County agreed to consider floorplans in alternate layout to the original RFP
3. County requested detailed photos of proposed shelter(s)
4. Nominal shelter size was expanded to allow more variations/options
5. County requested explanation of warranty re: A/C units vs entire shelter

Both Offerors were attentive to County's request for additional information and details about the proposed shelters. Below is a summary of those two BAFO submittals.

County has purchased two shelters from Cellsite Solutions who initially offered four shelters for consideration on this RFP and then a single shelter on their BAFO. Cellsite's proposed shelter is a 2001 model made by Fibrebond, a known quality manufacturer. It was originally sold to Nextel for one of their network sites. The layout of the shelter would be acceptable for its application at the BCB site. There were plenty of photos to permit a good evaluation of the general condition of the interior and exterior of the shelter, which appeared quite good. The proposed shelter measures 11' W x 20' L which is quite acceptable for its application. Cellsite provided a good, clear explanation of their position on providing warranty on the A/C units, and no warranty is offered. Their price for the shelter was quoted at \$26,200.00.

Telecom Product Profiles is also a known telecom hardware broker and offered a single shelter on their initial response and a (different) single shelter on their BAFO. Telecom's proposed shelter is a 2007 model made by Cellixion, also a known quality manufacturer. Sabre Industries, County's radio tower vendor, has purchased the Cellixion plant and produces their shelters there. This shelter was originally sold to U.S. Cellular for one of their network sites. The layout of this shelter would be acceptable for its application at the BCB site. There were plenty of photos plus a complete set of construction drawings

to allow a good evaluation of the general condition of the interior and exterior of the shelter plus details of the furnished equipment and hardware. The proposed shelter measures 11'-3" W x 19'-4" L which is quite acceptable for its application. As with Cellsite, Telecom did not offer a warranty on the shelter or the A/C units. One feature of interest is that this shelter was designed for a 150 mph wind rating plus a heavier 'dead load' rating for the floor and roof. The price quoted was \$22,550.00

Both Offerors are to be commended for taking the time to develop and submit comprehensive documentation packages. Requested information was clear and direct.

It is my opinion that either shelter would serve County's needs and that either Offeror would be a qualified, capable vendor to County. However, the Telecom shelter offers three clear benefits to County. First, it is six years newer than the proposed Cellsite structure. This age difference means little to the structure, but may indicate that the A/C units and related electrical equipment are in better condition on the Telecom shelter. Second, the Telecom structure is rated for much higher wind and dead load withstand capacity. This is significant to County because this shelter will house site linking equipment which would qualify this site as 'system critical'. Third, the Telecom shelter is lower in cost by \$3,650.00.

Based on these considerations, it is my recommendation that County proceed to contract with Telecom for their proposed shelter.

29-15JUN18 - Used Radio Equipment Shelter									
S.I.	Telecom Product Profiles LLC	Telecom Product Profiles LLC	Telecom Product Profiles LLC - BAFO Response	Cellsite Solutions - Shelter Option 1	Cellsite Solutions - Shelter Option 2	Cellsite Solutions - Shelter Option 3	Cellsite Solutions - Shelter Option 4	Cellsite Solutions - Shelter BAFO Response	
One (1) Used Radio Equipment Shelter	\$18,950.00	\$23,950.00	\$15,950.00	\$15,850.00	\$15,850.00	\$15,850.00	\$15,850.00	\$15,850.00	\$15,950.00
Make/Model	Rehn 10'x20' J010648	Rehn 10'x20' J010648	Cellerion SUSA4618390	Rehn 12x20: 1528	Fibrebond 11x20: 2343	Miller 12x20: 5084	Andrew 11x20: 8846	Fibrebond 11'w x 20'L DS07	
Provision of crane	\$9,950.00	\$9,950.00	\$6,600.00	\$10,900.00	\$6,250.00	\$10,900.00	\$9,250.00	\$10,250.00	
Total	\$28,900.00	\$33,900.00	\$22,550.00	\$26,750.00	\$25,100.00	\$26,750.00	\$25,100.00	\$26,200.00	
Delivery/Offload will be complete with ____ days after receipt of purchase order	14 days	14 days	14 days	30 days	30 days	30 days	30 days	30 days	
Pricing is firm for ____ days after signature of contract	45 days	45 days	45 days	45 days	45 days	45 days	45 days	45 days	
Warranty	No warranty	Warranty included	No warranty	Warranty attached	Warranty attached	Warranty attached	Warranty attached	No warranty	
				Shipping not included (although it was supposed to be included per bid specs)	Shipping not included (although it was supposed to be included per bid specs)	Shipping not included (although it was supposed to be included per bid specs)	Shipping not included (although it was supposed to be included per bid specs)		
				If no access road, add \$6750 for crane	If no access road, add \$6750 for crane	If no access road, add \$6750 for crane	If no access road, add \$6750 for crane		
				See list of upgrade options					

**PURCHASE AGREEMENT
FOR
USED RADIO EQUIPMENT SHELTER**

THIS AGREEMENT dated the 16th day of August 2018 is made between Boone County, Missouri, a political subdivision of the State of Missouri through the Boone County Commission, herein "County" and **Telecom Product Profiles, LLC**, herein "Vendor."

IN CONSIDERATION of the parties performance of the respective obligations contained herein, the parties agree as follows:

1. **Contract Documents** - This agreement shall consist of this Purchase Agreement for a used radio equipment shelter, County of Boone Request for Proposal **29-15JUN18** with addendums #1 - 3, the Vendor's proposal response dated June 7 and Clarification/BAFO #1 response dated July 9, 2018, both executed by John E. Witt on behalf of the Contractor. All such documents shall constitute the contract documents which are attached hereto and incorporated herein by reference. Service or product data, specification and literature submitted with proposal response may be permanently maintained in the County Purchasing Office proposal file for this proposal if not attached. In the event of conflict between any of the foregoing documents, the terms, conditions, provisions and requirements contained in the proposal specifications and addendums shall prevail and control over the Contractor's proposal response.

2. **Purchase** - The County agrees to purchase from the Contractor and the Contractor agrees to supply the County with one (1) used Radio Equipment Shelter, as detailed in Vendor's Clarification/BAFO #1 proposal response:

Make: Dellexion	\$15,950.00
Model: SUSA4616390	
Provision of crane and transport services to load, haul, and offload shelter onto County's foundation	\$6,600.00

For a contract total of Twenty-Two Thousand, Five Hundred Fifty Dollars (\$22,550.00).

3. **Delivery** - Contractor agrees to deliver and offload shelter within 14 days after receipt of Purchase Order. Delivery shall be FOB Destination – with freight charges fully included and prepaid. The seller pays and bears the freight charges. Delivery address shall be: 780 E. Highway 124, Hallsville, MO 65255.

4. **Billing and Payment** - All billing shall be invoiced to Boone County Joint Communications, 2145 E. County Drive, Columbia, MO 65202. All billings may only include the prices listed in the vendor's proposal response. No additional fees for paper work processing, labor, or taxes shall be included as additional charges in excess of the charges in the Vendor's proposal response to the specifications. The County agrees to pay all invoices within thirty days of receipt. In the event of a billing dispute, the County reserves the right to withhold payment on the disputed amount; in the event the billing dispute is resolved in favor of the Vendor, the County agrees to pay interest at a rate of 9% per annum on disputed amounts withheld commencing from the last date that payment was due.

5. **Binding Effect** - This agreement shall be binding upon the parties hereto and their successors and assigns for so long as this agreement remains in full force and effect.

6. **Termination** - This agreement may be terminated by the County upon thirty days advance written notice for any of the following reasons or under any of the following circumstances:

- a. County may terminate this agreement due to material breach of any term or

- condition of this agreement, or
- b. County may terminate this agreement if in the opinion of the Boone County Commission if delivery of products are delayed or products delivered are not in conformity with proposal specifications or variances authorized by County, or
- c. If appropriations are not made available and budgeted for any calendar year.

IN WITNESS WHEREOF the parties through their duly authorized representatives have executed this agreement on the day and year first above written.

TELECOM PRODUCT PROFILES, LLC

by John E. Witt
 title SALES

BOONE COUNTY, MISSOURI

by: Boone County Commission
Daniel K. Atwill
 Daniel K. Atwill, Presiding Commissioner

APPROVED AS TO FORM:

[Signature]
 County Counselor

ATTEST:
[Signature]
 County Clerk

In accordance with RSMo 50.660, I hereby certify that a sufficient unencumbered appropriation balance exists and is available to satisfy the obligation(s) arising from this contract. (Note: Certification of this contract is not required if the terms of this contract do not create a measurable county obligation at this time.)

<u>June Pitchford by jj</u>	<u>6/8/10/2018</u>	<u>2706-91300 - \$22,550.00</u>
Signature	Date	Appropriation Account

STANDARD TERMS AND CONDITIONS - BOONE COUNTY, MISSOURI

1. Contractor shall comply with all applicable federal, state, and local laws and failure to do so, in County's sole discretion, shall give County the right to terminate this Contract.
2. Responses shall include all charges for packing, delivery, installation, etc., (unless otherwise specified) to the Boone County Department identified in the Request for Bid and/or Proposal.
3. The Boone County Commission has the right to accept or reject any part or parts of all bids, to waive technicalities, and to accept the offer the County Commission considers the most advantageous to the County. Boone County reserves the right to award this bid on an item-by-item basis, or an "all or none" basis, whichever is in the best interest of the County.
4. Bidders must use the bid forms provided for the purpose of submitting bids, must return the bid and bid sheets comprised in this bid, give the unit price, extended totals, and sign the bid. The Purchasing Director reserves the right, when only one bid has been received by the bid closing date, to delay the opening of bids to another date and time in order to revise specifications and/or establish further competition for the commodity or service required. The one (1) bid received will be retained unopened until the new Closing date, or at request of bidder, returned unopened for re-submittal at the new date and time of bid closing.
5. When products or materials of any particular producer or manufacturer are mentioned in our specifications, such products or materials are intended to be descriptive of type or quality and not restricted to those mentioned.
6. Do not include Federal Excise Tax or Sales and Use Taxes in bid process, as law exempts the County from them.
7. The delivery date shall be stated in definite terms, as it will be taken into consideration in awarding the bid.
8. The County Commission reserves the right to cancel all or any part of orders if delivery is not made or work is not started as guaranteed. In case of delay, the Contractor must notify the Purchasing Department.
9. In case of default by the Contractor, the County of Boone will procure the articles or services from other sources and hold the Bidder responsible for any excess cost occasioned thereby.
10. Failure to deliver as guaranteed may disqualify Bidder from future bidding.
11. Prices must be as stated in units of quantity specified, and must be firm. Bids qualified by escalator clauses may not be considered unless specified in the bid specifications.
12. No bid transmitted by fax machine or e-mail will be accepted.
13. The County of Boone, Missouri expressly denies responsibility for, or ownership of any item purchased until same is delivered to the County and is accepted by the County.
14. The County reserves the right to award to one or multiple respondents. The County also reserves the right to not award any item or group of items if the services can be obtained from a state or other governmental entities contract under more favorable terms. The resulting contract will be considered "Non-Exclusive". The County reserves the right to purchase from other vendors.

15. The County, from time to time, uses federal grant funds for the procurement of goods and services. Accordingly, the provider of goods and/or services shall comply with federal laws, rules and regulations applicable to the funds used by the County for said procurement, and contract clauses required by the federal government in such circumstances are incorporated herein by reference. These clauses can generally be found in the *Federal Transit Administration's Best Practices Procurement Manual – Appendix A*. Any questions regarding the applicability of federal clauses to a particular bid should be directed to the Purchasing Department prior to bid opening.
16. In the event of a discrepancy between a unit price and an extended line item price, the unit price shall govern.
17. Should an audit of Contractor's invoices during the term of the Agreement, and any renewals thereof, indicate that the County has remitted payment on invoices that constitute an over-charging to the County above the pricing terms agreed to herein, the Contractor shall issue a refund check to the County for any over-charges within 30-days of being notified of the same.
18. For all bid responses over \$25,000, if any manufactured goods or commodities proposed with bid/proposal response are manufactured or produced outside the United States, this MUST be noted on the Bid/Proposal Response Form or a Memo attached.
19. **For all titled vehicles and equipment the dealer must use the actual delivery date to the County on all transfer documents** including the Certificate of Origin (COO,) Manufacturer's Statement of Origin (MSO,) Bill of Sale (BOS,) and Application for Title.
20. **Equipment and serial and model numbers** - The contractor is strongly encouraged to include equipment serial and model numbers for all amounts invoiced to the County. If equipment serial and model numbers are not provided on the face of the invoice, such information may be required by the County before issuing payment.

Melinda Bobbitt

From: John Witt <johnwitt@telepp.com>
Sent: Monday, July 9, 2018 2:59 PM
To: Melinda Bobbitt
Cc: sales@telepp.com; Tower Direct
Subject: Re: Clarification to RFP 29-15JUN18 - Used Radio Equipment Shelter
Attachments: 20180614_134836.jpg

Melinda,

It's been brought to my attention that the correct model #**SUSA4616390** should be used for the Boone County telecom shelter bid.
The form that we submitted earlier contains an incorrect model number that is one digit off due to the poor focus in the attached photo.

Thanks,

John Witt
Telecom Product Profiles, LLC
johnwitt@telepp.com (719)221-5900

Towers, Shelters, Cabinets & Coax



On 7/9/2018 9:08 AM, John Witt wrote:

Melinda,

Please find the attached RFQ submission forms along with the accompanying photos and engineered drawings for the telecom shelter proposal for Boone County.
We appreciate the opportunity to be considered in the process, and please feel free to contact me with any questions or comments.

Thanks,

John Witt
Telecom Product Profiles, LLC
johnwitt@telepp.com (719)221-5900

Towers, Shelters, Cabinets & Coax

CONTRACT DOCUMENTS
BOONE COUNTY, MISSOURI
PROPOSAL NUMBER AND DESCRIPTION: 29-15JUN18 – Used Radio Equipment Shelter

BEST AND FINAL OFFER FORM #1

This BAFO is issued in accordance with the Instructions to Bidders and is hereby incorporated into and made a part of the Contract Documents.

The Offeror hereby declares understanding, agreement and certification of compliance to provide the items and/or services, at the prices quoted, in accordance with all terms and conditions, requirements, and specifications of the original RFP as modified by any previously issued RFP amendments and by this and any previously issued BAFO requests. The Offeror agrees that the language of the original RFP as modified by any previously issued RFP amendments and by this and any previously issued BAFO requests shall govern in the event of a conflict with Offeror's proposal.

By: Melinda Bobbitt
Melinda Bobbitt, CPPO, CPPB
Director of Purchasing

Company Name: Telecom Product Profiles, LLC
Address: 711 9th Avenue SE #107
Watertown, SD 57201
Telephone: (719) 221-5900 Fax: N/A
Federal Tax ID (or Social Security #): 46-1133309
Print Name: John E. Witt Title: Sales
Signature: John E. Witt Date: July 9, 2018
E-mail: johnwitt@telepp.com

5. Response Page for BAFO #1

In compliance with this Request for Proposal and subject to all the conditions thereof, the Offeror agrees to furnish the equipment/services/supplies requested and proposed and certifies he/she has read, understands, and agrees to all terms, conditions, and requirements of this proposal and is authorized to contract on behalf of the firm named below. (Note: This form must be signed. All signatures must be original and not photocopies).

Company Name: Telecom Product Profiles, LLC

Address: 711 9th Avenue SE #107
Watertown, SD 57201

Telephone: (719) 221-5900 Fax: N/A

Federal Tax ID (or Social Security #): 46-1133309

Print Name: John E. Witt Title: Sales

Signature: John E. Witt Date: July 9, 2018

E-Mail Address: johnwitt@telepp.com

5.1. One (1) Used Radio Equipment Shelter \$ 15,950.00

Make: Cellexion
Model: SUSA 4516390
6.6 390

5.2. Provision of crane and transport services to load, haul, and offload shelter onto County's foundation \$ 6,600.00

5.3. Total (5.1 + 5.2): \$ 22,550.00

5.4. Delivery/Offloading will be completed after receipt of purchase order with anticipated delivery August 2018: 14 days

5.6. Pricing is firm for 45 days after signature of contract.

5.7. Describe warranty or attach: NO WARRANTY INCLUDED

BOONE COUNTY - MISSOURI

PROPOSAL NUMBER AND DESCRIPTION: 29-15JUN18 – *Used Radio Equipment Shelter*

CLARIFICATION FORM #1

This Clarification is issued in accordance with the Instructions to Offeror and is hereby incorporated into and made a part of the Request for Proposal Documents. Offeror is reminded that receipt of this Clarification must be acknowledged and submitted by e-mail to mbobbitt@boonecountymo.org.

I. CLARIFICATION – please provide a response to the following requests.

- 1) The County is interested in newer shelters, typically 10-15 years old that are in sound structural condition. The County understands that a used shelter will not necessarily be in “as new” cosmetic condition and is interesting in considering additional shelters Offeror can provide. Please provide a list with pricing or use the attached Response Form.

The specific placement of door, air conditioners, and waveguide entry points is somewhat flexible to the County if Offeror can provide a shelter otherwise desired by the County. It is important that there be a cable entry on the long wall nearest the tower.

Photographs can be very helpful in assisting the County to evaluate a shelter proposed for purchase. Attach photographs if available.

The County requested a nominal 12' x 20' shelter. The County's goal is to secure a shelter that will have a single long row of equipment installed in it. As such, consideration would be given to shelter from Offeror that could range from 10'-6" up to the requested 12'-0" in width.

- 2) The County's main interest in asking for a one-year warranty relates to the two air conditioners requested for the shelter. An explanation as to condition or the date of manufacture would be helpful in assisting the County in evaluating proposed shelters, possibly with consideration of waiving the warranty requirement.
- 3) Prevailing wage is not required for transporting or off-loading the shelter for this Request for Proposal. Prevailing wage is only required for mounting the shelter on foundation which will be the responsibility of the County.

N
E
9



MILITARY

MILITARY

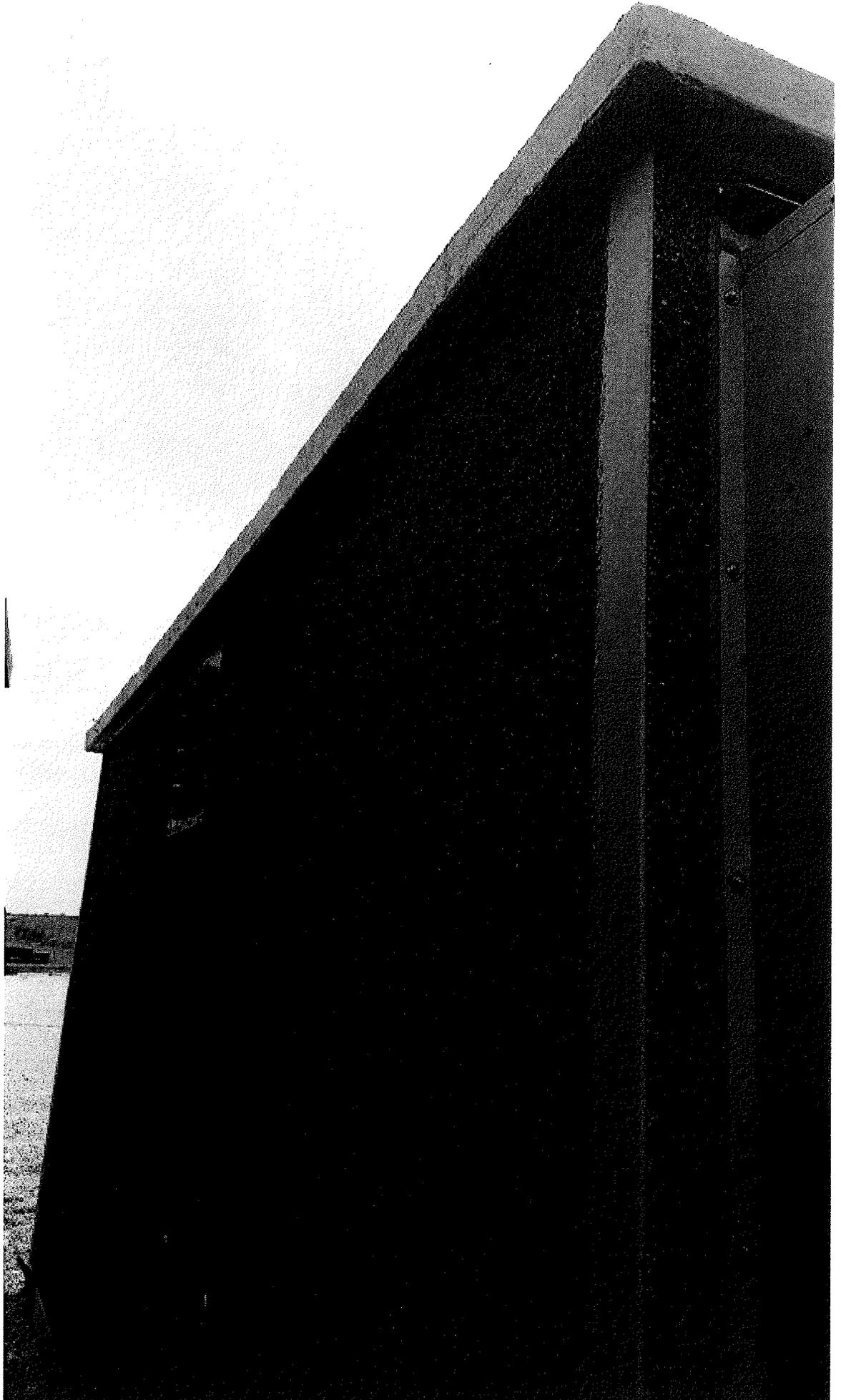


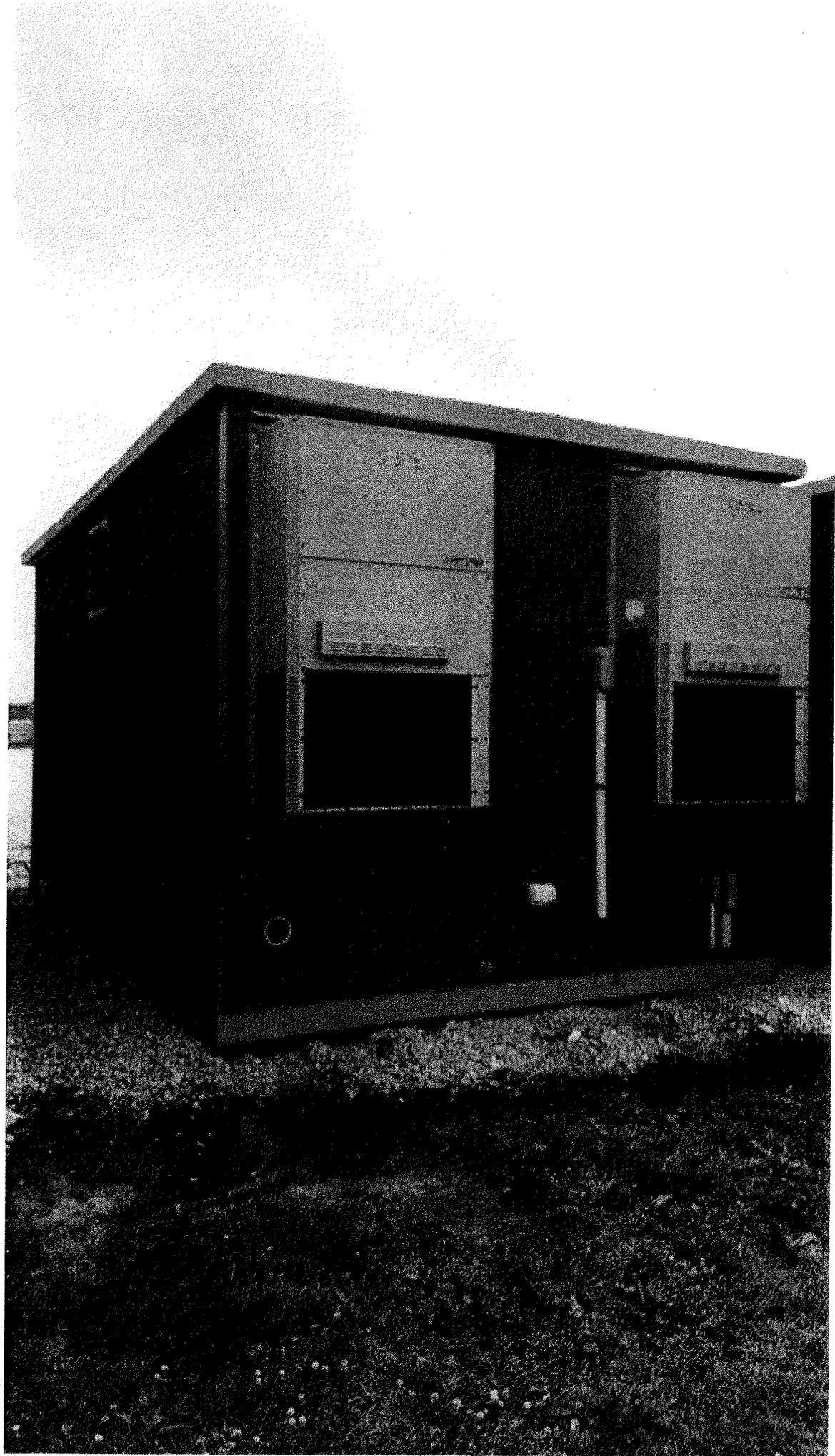


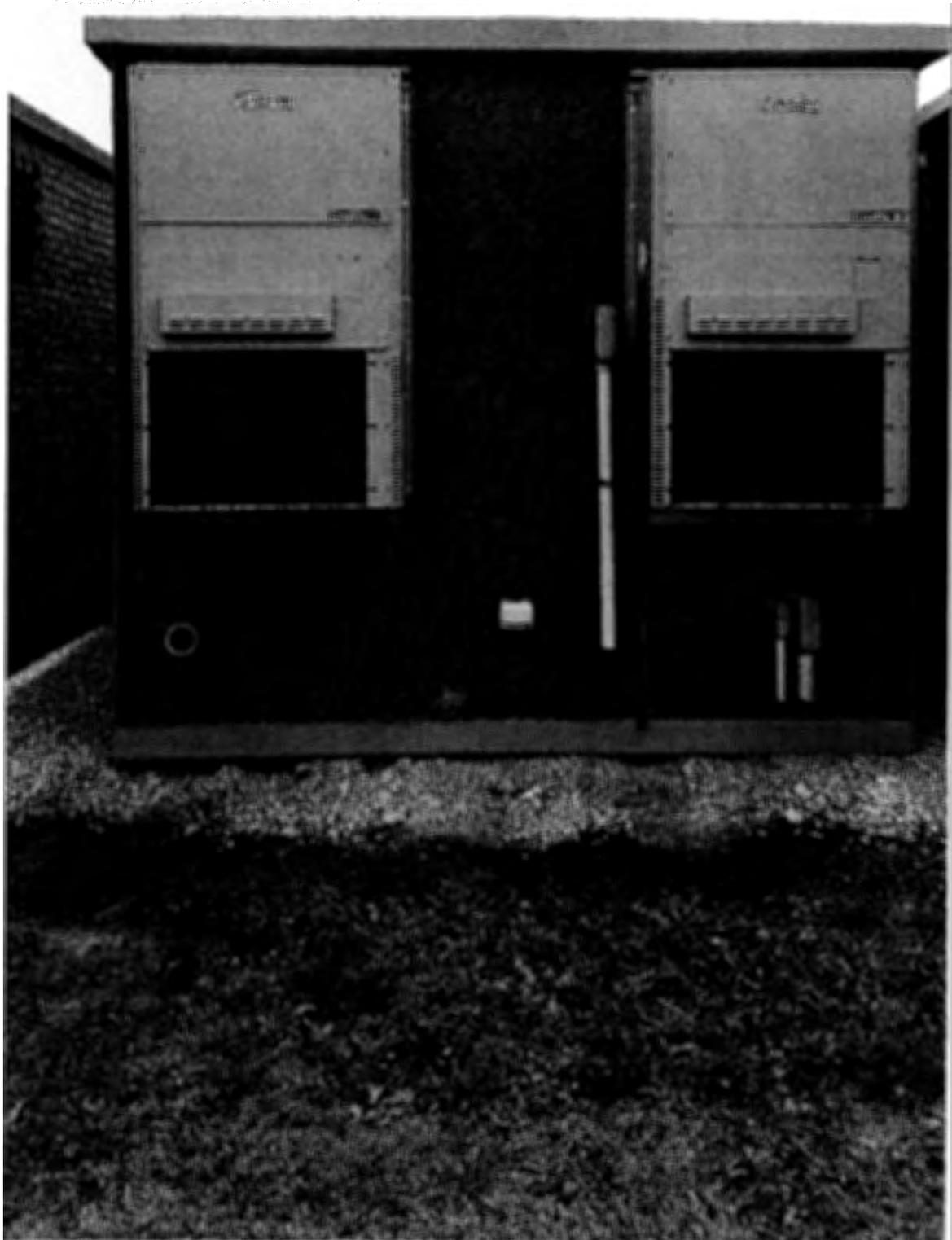


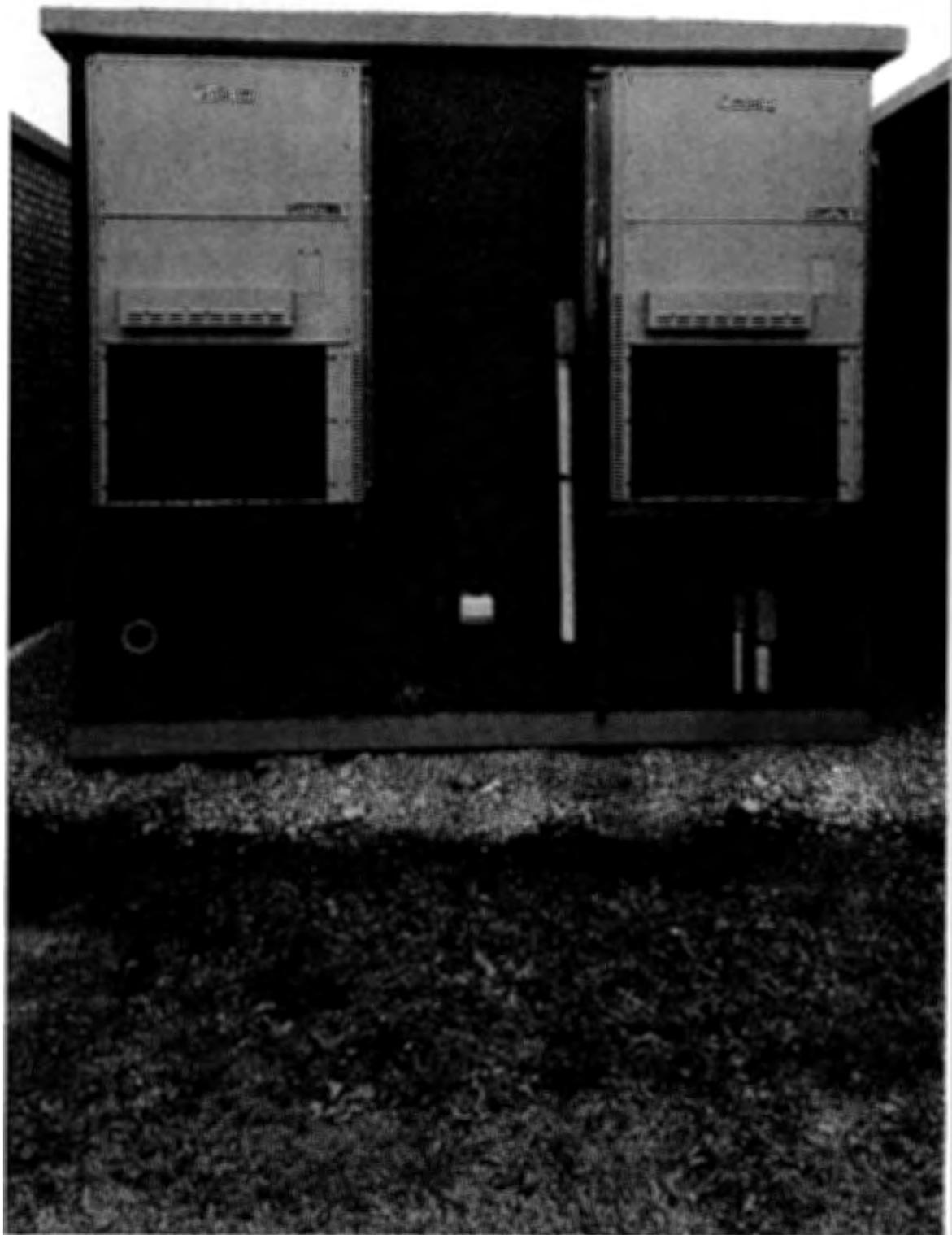


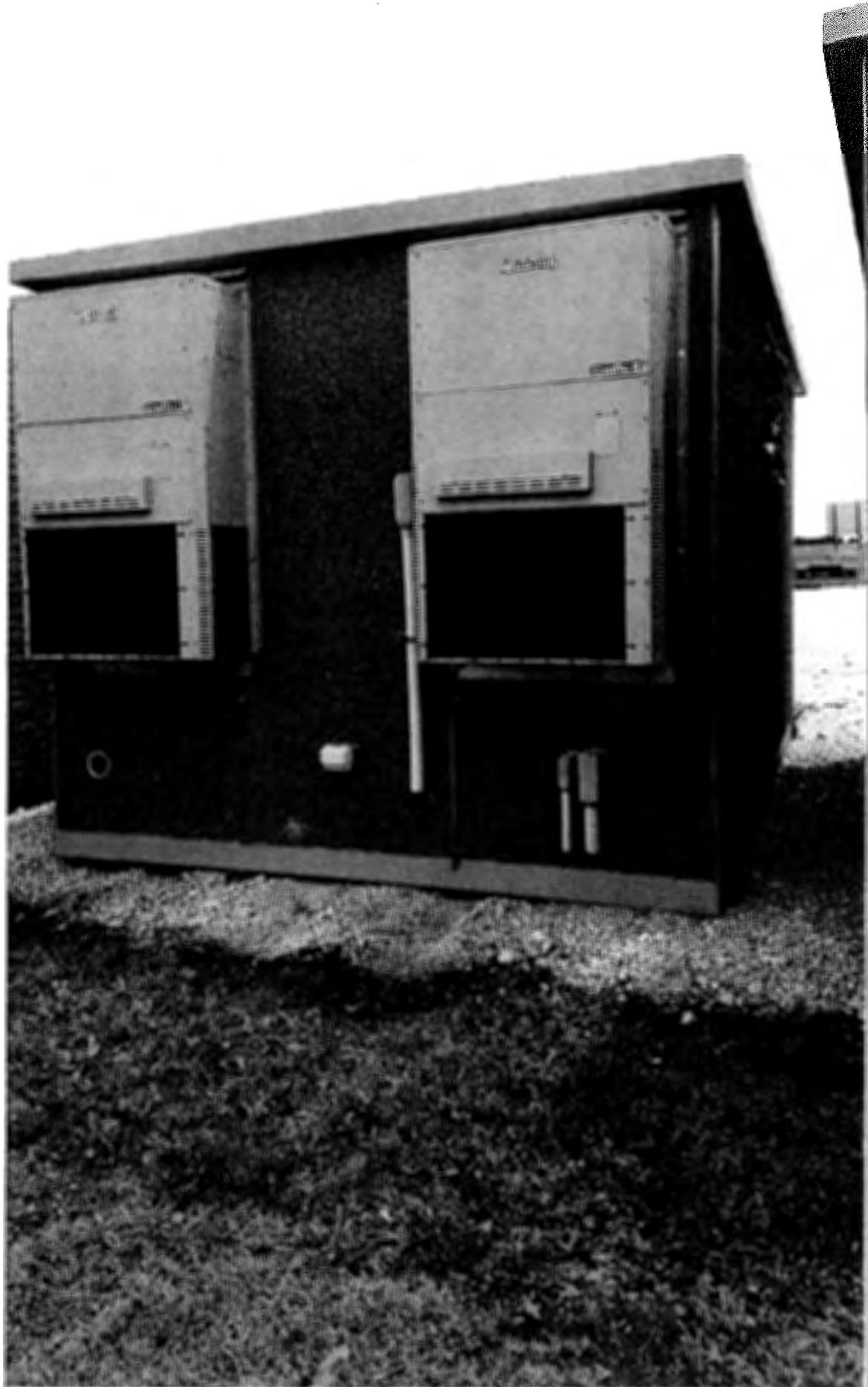




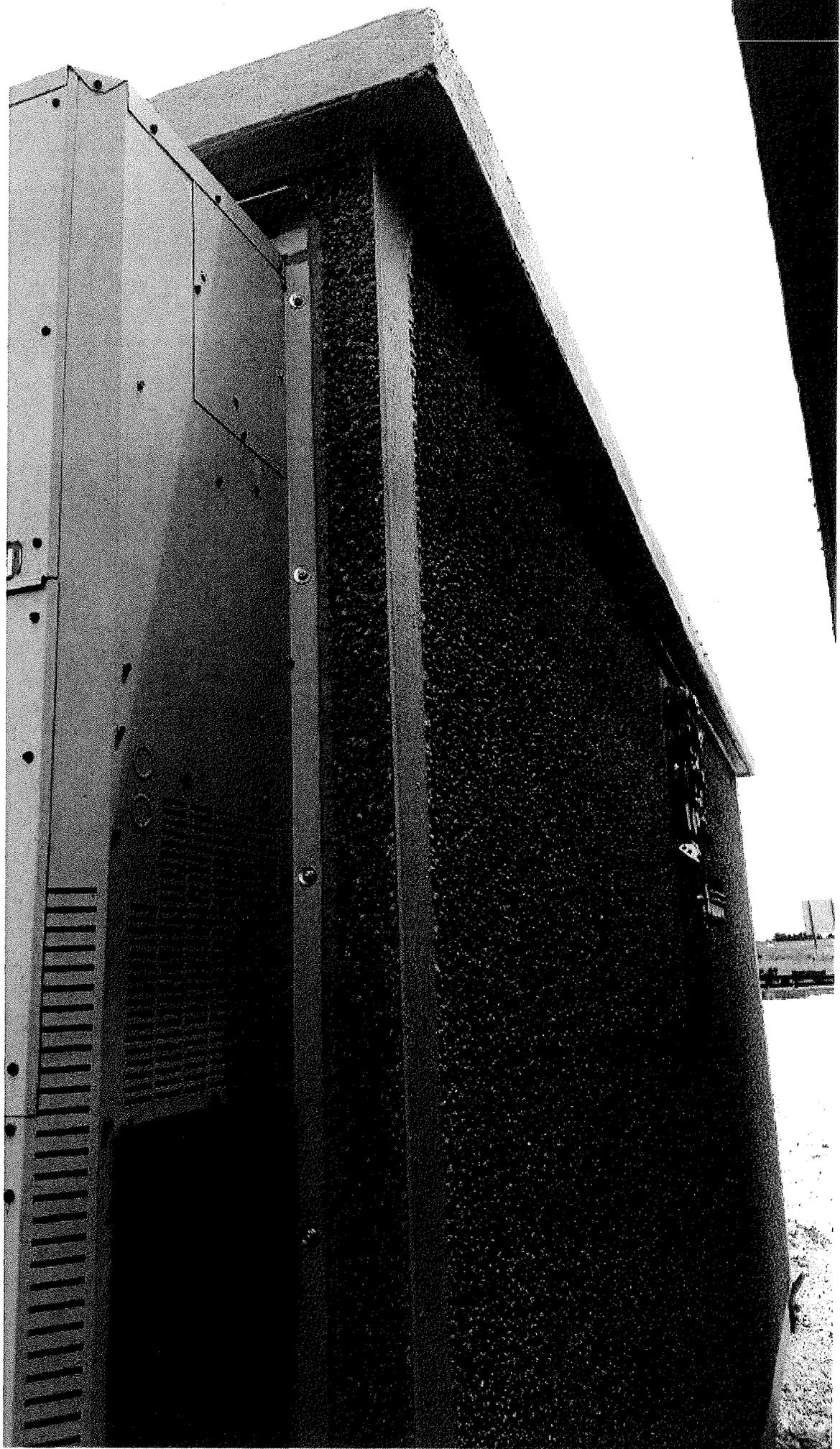






















5031 Hazel Jones Rd. Bossier City LA 71111
 318-213-2900 (Phone) 318-213-2919 (FAX)

Building Data Plate

Serial Number:	5170-4-66167400	State Insignia No.	20275
MFG. Registration or License No.	1003191	Date Manufactured:	1/21/08
Sold To:	1100 Cottages	Construction Type:	W.C.
Occupancy/Use Group:	S.2	Building Dimensions:	
Max. Floor Live Load:	120 PSF	Width:	22' 0"
Maximum Roof Live Load:	60 PSF	Length:	13' 0"
Maximum Wind Load:	350 MPH 54.9 PSF	Height:	10' 0" to 12' 0"
Exposure Factor:	2		
Seismic Design Category:	1	Floor Area:	286 sq. ft.
Building Electrical System:	100 AMP 4 20A	HVAC Design Temp:	67°F Heating 55°F Cooling
HVAC #1 Serial Number:	See unit	HVAC #1 Serial Number:	See unit
Story Limitation:	1	Minimum Fire Separation:	5' 0"
Fire Rating:	2 1/2 Hours 2 1/2 Hours	Interior Finish Flame Spread:	Class C
Toxicogenic Class:		Permissible Gas:	None
Building Code Compliance:	2006 IRC	Electrical Code Compliance:	2009 NEC
Mechanical Code Compliance:	2006 IMC	Energy Code Compliance:	2009 ASHRAE
Overall R Value -	R-17		
Overall U Value -	U=0.059		
Special Conditions or Limitations:			

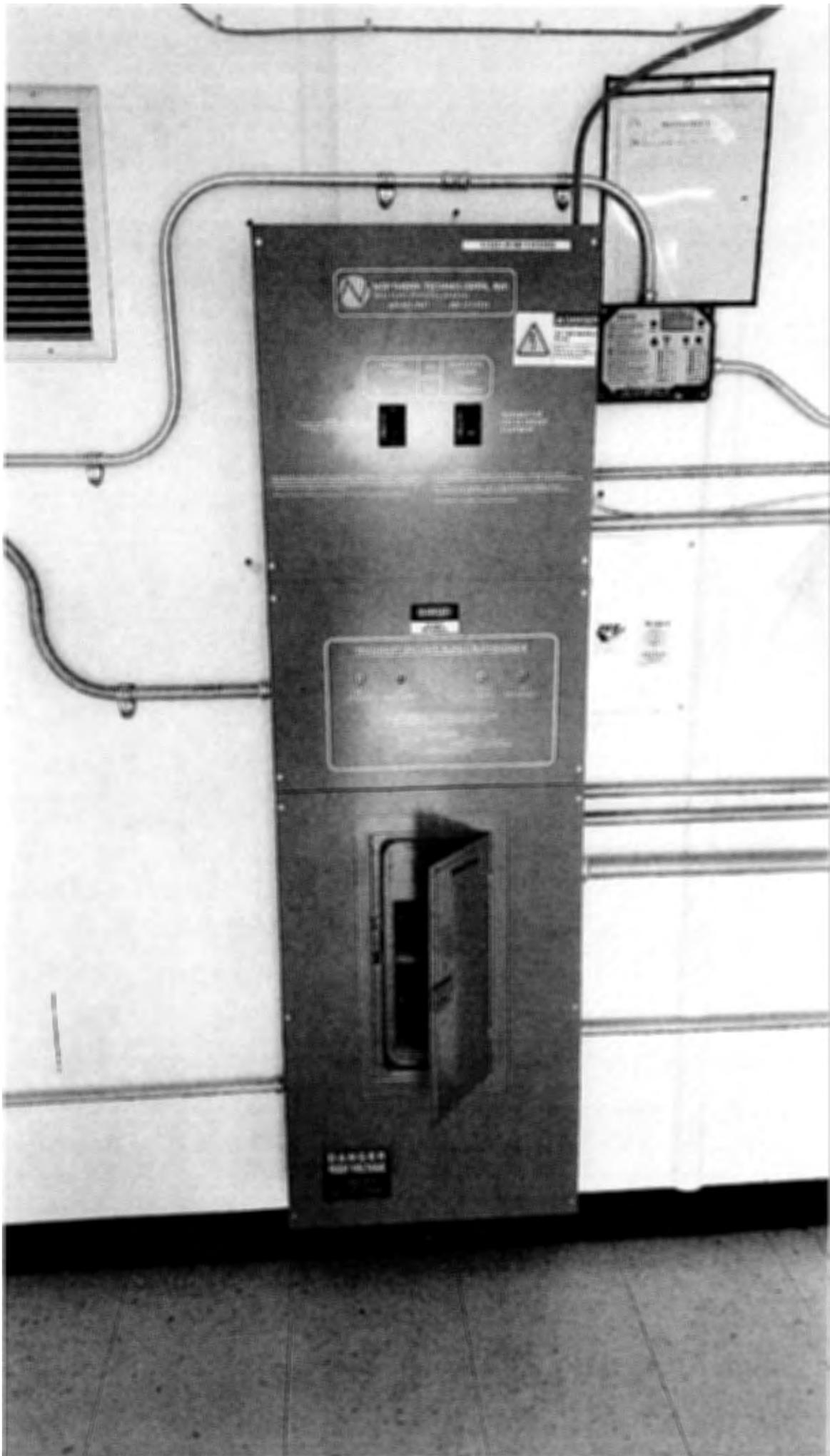


SEE DATA PLATE

No 030275



THE MANUFACTURER CERTIFIES THAT THIS UNIT COMPLIES WITH THE MISSOURI UNIFORM STANDARD CODE FOR FACTORY MANUFACTURED MODULAR HOMES REGULATED BY THE MISSOURI PUBLIC SERVICE COMMISSION
 FORM 5004



DANGER

**DISCONNECT
BEFORE OPENING**

TRANSIENT VOLTAGE SURGE SUPPRESSION

LINE 1
PRIMARY

LINE 1
SECONDARY

LINE 2
PRIMARY

LINE 2
SECONDARY

THIS UNIT IS DESIGNED TO PROTECT YOUR EQUIPMENT FROM TRANSIENT VOLTAGE SURGES AND TO PROTECT YOU FROM THE HAZARDOUS VOLTAGES THAT CAN BE PRESENT IN THE ELECTRICAL SYSTEM. IT IS NOT A SUBSTITUTE FOR A PROPERLY INSTALLED AND MAINTAINED ELECTRICAL SYSTEM.

CAUTION

1. DO NOT TOUCH THE TERMINALS OR INTERNAL COMPONENTS OF THIS UNIT.
2. ALWAYS WEAR YOUR SAFETY GOGGLES AND GLOVES WHEN WORKING ON THIS UNIT.
3. ALWAYS USE THE PROPER TOOLS AND TECHNIQUES WHEN WORKING ON THIS UNIT.



BUSA4616390



NORTHERN TECHNOLOGIES, INC.

Total Power Protection Solutions

509-927-0401

800-727-8119



⚠ DANGER

Do not touch and check
status.

Always use appropriate
PPE and safety gear
when working on this
equipment.

NORMAL AC POWER	ON	GENERATOR POWER
DISCONNECT	OFF	DISCONNECT



SWITCHABLE FOR
EDGE AND OFFICE
EQUIPMENT

DANGER

SAFETY
STOP HERE

TRANSIENT VOLTAGE SURGE SUPPRESSION



LINE 1
PROTECTOR



LINE 2
SECURITY



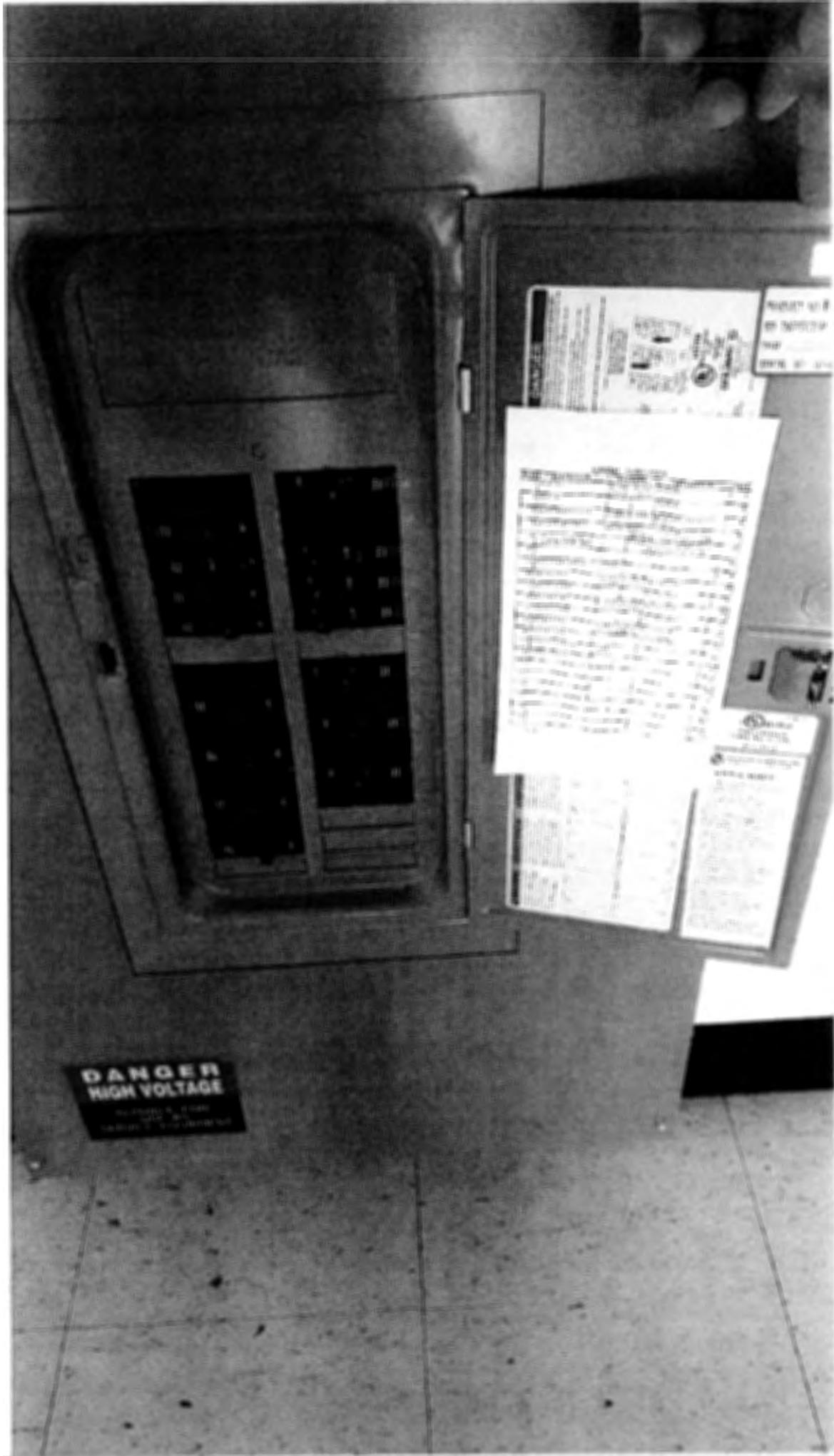
LINE 3
PROTECTOR



LINE 4
SECURITY

FOR PROTECTION OF EQUIPMENT FROM TRANSIENT VOLTAGE SURGES, THIS EQUIPMENT IS EQUIPPED WITH TRANSIENT VOLTAGE SURGE SUPPRESSION (TVSS) DEVICES. THESE DEVICES PROTECT EQUIPMENT FROM TRANSIENT VOLTAGE SURGES BY DIVERTING EXCESSIVE ENERGY TO GROUND. THE TVSS DEVICES ARE DESIGNED TO PROTECT EQUIPMENT FROM TRANSIENT VOLTAGE SURGES THAT EXCEED THE EQUIPMENT'S RATED VOLTAGE. THE TVSS DEVICES ARE NOT DESIGNED TO PROTECT EQUIPMENT FROM SUSTAINED OVERVOLTAGE CONDITIONS.

Model: BUSA4616390
Serial: 123456789
Date: 12/31/2023



**DANGER
HIGH VOLTAGE**

CODE SUMMARY

1994 UNIFORM BUILDING CODE
 1996 BOCA NATIONAL BUILDING CODE
 1997 INTERNATIONAL BUILDING CODE
 1997 STANDARD BUILDING CODE
 1997 UNIFORM BUILDING CODE
 2000 INTERNATIONAL BUILDING CODE
 2000 STANDARD BUILDING CODE
 2003 INTERNATIONAL BUILDING CODE
 2006 INTERNATIONAL BUILDING CODE
 1994 UNIFORM MECHANICAL CODE
 1996 BOCA MECHANICAL CODE
 1997 INTERNATIONAL MECHANICAL CODE
 1997 STANDARD MECHANICAL CODE
 1997 UNIFORM MECHANICAL CODE
 2000 INTERNATIONAL MECHANICAL CODE
 2000 STANDARD MECHANICAL CODE
 2003 INTERNATIONAL MECHANICAL CODE
 2006 INTERNATIONAL MECHANICAL CODE
 2007 CALIFORNIA BUILDING CODE
 2002 IBC WITH NEW JERSEY AMENDMENTS
 2002 NEC WITH NEW JERSEY AMENDMENTS
 2002 BUILDING CODE OF NEW YORK STATE
 2002 ELECTRICAL CODE OF NEW YORK STATE
 2002 MECHANICAL CODE OF NEW YORK STATE
 2008 NORTH CAROLINA BUILDING CODE
 2005 NORTH CAROLINA ELECTRICAL CODE
 2008 NORTH CAROLINA ELECTRICAL CODE
 2008 NORTH CAROLINA MECHANICAL CODE
 2008 NORTH DAKOTA ELECTRICAL WIRING STANDARDS
 2008 MICHIGAN BUILDING CODE
 2008 MICHIGAN MECHANICAL CODE
 2000 MINNESOTA STATE ENERGY CODE
 2007 MINNESOTA STATE MECHANICAL CODE (CH. 1346-2000 IBC & 2000 IFC W/ AMEND.)
 2007 MINNESOTA STATE BUILDING CODE
 2006 NEW MEXICO COMMERCIAL BUILDING CODE
 2008 NEW MEXICO ELECTRICAL CODE
 2006 NEW MEXICO MECHANICAL CODE
 2004 CHICAGO BUILDING CODE
 2004 FLORIDA BUILDING CODE WITH 2005, 2006 & 2007 SUPPLEMENT
 2005 MASSACHUSETTS ELECTRICAL CODE
 2008 MASSACHUSETTS ELECTRICAL CODE
 09 MASSACHUSETTS STATE BUILDING CODE
 2007 OHIO BUILDING CODE
 2007 OHIO MECHANICAL CODE
 CALIFORNIA TITLE 25
 2007 OREGON STRUCTURAL SPECIALTY CODE
 2007 OREGON MECHANICAL SPECIALTY CODE
 2007 KENTUCKY BUILDING CODE
 1996 NATIONAL ELECTRICAL CODE
 1999 NATIONAL ELECTRICAL CODE
 2002 NATIONAL ELECTRICAL CODE
 2005 NATIONAL ELECTRICAL CODE
 2008 NATIONAL ELECTRICAL CODE
 1999,2001,2004 ASHRAE 90.1
 2000,2003,2008 INTERNATIONAL ENERGY CONSERVATION CODE
 2000,2003,2005 NFPA 101 LIFE SAFETY CODE
 2002 ARKANSAS FIRE PREVENTION CODE

INDEX OF SHEETS

0-0 COVER SHEET
 0-1 ITEMS LIST
 0-2 ITEMS LIST CONT./SHOP DETAILS/CUT LIST
 0-3 OPTIONAL ITEMS
 *1-0 EXTERIOR ELEVATION "A" & "C"
 *1-1 EXTERIOR ELEVATION "B"
 *1-2 EXTERIOR ELEVATIONS "D"
 2-0 FLOOR PLAN
 2-1 EQUIPMENT LAYOUT #1
 2-2 EQUIPMENT LAYOUT #2
 3-0 REFLECTED CEILING PLAN - ELECTRICAL
 3-1 REFLECTED CEILING PLAN - MECHANICAL
 4-0 INTERIOR ELEVATION "A" & "C"
 4-1 INTERIOR ELEVATION "B"
 4-2 INTERIOR ELEVATIONS "D"
 *5-0 ELECTRICAL SCHEMATIC
 5-1 LOW VOLTAGE WIRING SCHEMATIC
 5-2 HVAC WIRING SCHEMATIC
 5-3 OPTIONAL HVAC WIRING SCHEMATIC
 5-4 POWER FAIL RELAY LAYOUT - LOADCENTER
 5-5 POWER FAIL RELAY LAYOUT - TRANSFER SWITCH
 6-0 GROUND BAR LAYOUTS
 6-1 GROUND BAR DETAIL

* - DENOTES SHEETS WHICH MAY CONTAIN FIELDWORK

REFERENCE DRAWINGS

108-007 ABBREVIATIONS AND SYMBOLS
 108-008 CONCRETE SHELTER PANEL CONNECTION DETAILS
 108-015 GENERAL ELECTRICAL NOTES & LEGEND
 108-016 GENERAL CASTING SPECIFICATIONS
 108-020 6" SLAB FOUNDATION PLAN (FLAT TIEDOWN-HIGH SEISMIC)
 108-035 CONCRETE SHELTER INTERIOR INSULATION/PANEL INSTALL DETAILS

STRUCTURAL DRAWINGS (MANUFACTURE ONLY)

30-0 STRUCTURAL SPECIFICATIONS
 S1-0 STRUCTURAL LAYOUT - WALL "A" & "C"
 S1-1 STRUCTURAL LAYOUT - WALL "B"
 S1-2 STRUCTURAL LAYOUT - WALLS "D"
 S2-0 STRUCTURAL LAYOUT - ROOF
 221-1103X1904-01 - 11'-3" x 19'-4" CONCRETE FLOOR ASSEMBLY KIT

DESIGN PARAMETERS

USE GROUP: B (BOCA, MASSCO)
 5-2 (FBC, IBC, SBC, UBC)
 U (IBC)
 CONSTRUCTION TYPE: 5B (BOCA, MASSCO)
 M-WHP (SBC)
 V-B (IBC, FBC)
 V-N (IBC)
 ROOF LIVE LOAD: 93 PSF
 FLOOR LIVE LOAD: 208 PSF
 GROUND SNOW LOAD: 102 PSF (N/A FOR FBC 2004)
 WIND SPEED: 150 MPH/EXPOSURE C (SBC, IBC, FBC)
 SEISMIC ZONE FOR SBC & UBC: 4
 SEISMIC DESIGN CATEGORY FOR IBC: D (IBC)
 USE GROUP-II (IBC)
 SITE CLASS-D (IBC)
 CONCRETE f_c : 5000 PSI AT 28 DAYS
 CONCRETE UNIT WEIGHT: 110 PCF
 FIRE RATING: 2 HOUR WALL AND ROOF (LIMITATIONS MAY APPLY DUE TO OPENINGS AND PROXIMITY ON SITE)

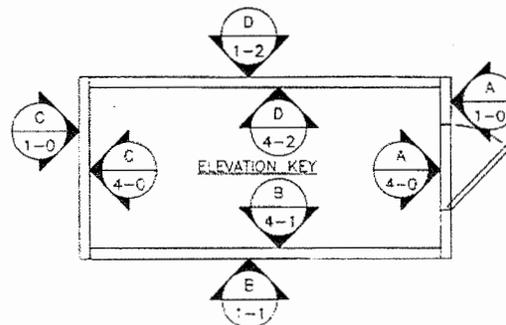
PHYSICAL PROPERTIES

SHELTER DIMENSIONS: 11'-3" W X 19'-4" L
 SHIPPING DIMENSIONS: 11'-11" W X 21'-10" L X 10'-3 1/2" H
 SHELTER WEIGHT: 47,500 # (SHELTER ONLY)

NOTES

- LISTED CODES INCLUDE LATEST STATE ADOPTED AMENDMENTS.
- THIS SHELTER NOT INTENDED FOR HUMAN HABITATION.
- APPROVED MODEL MAY BE MIRROR IMAGE.
- OCCUPANT LOAD = 0, OHIO = 2
- SPECIAL CONDITIONS AND PERMISSIBLE TYPES OF CASES: N/A
- SHELTER HAS NO COUNTY PLACEMENT RESTRICTION IN THE STATE OF MARYLAND.
- STATE INSIGNIA LABEL/DECAL IS LOCATED NEAR MAIN ELECTRICAL SERVICE PANEL.
- DOOR MUST BE MINIMUM 90 MINUTE FIRE RATED IF USED IN 2 HOUR FIRE RATED SHELTER.
- ENERGY CODE EVALUATION BASED ON COMACHECK-EZ AND ENERGY GAUGE FLACOM SOFTWARE.
- NOT SUBJECT TO FLORIDA FIRE SAFETY CODE, COMPLIANCE IS THE RESPONSIBILITY OF THE LOCAL JURISDICTION CODE OFFICIAL.
- ACCESS TO SHELTER SHALL COMPLY WITH MARYLAND ACCESSIBILITY CODE COMAR .05.02.02.07/ADAG SECTION 4.1.2.
- ALL WELDS SHALL BE VERIFIED BY SPECIAL INSPECTION SHOWING CONFORMANCE TO THE DESIGN DRAWINGS AND SPECIFICATIONS.
- BUILDING CATEGORY I, 1609.1.1 ALLOWS CHAPTER 6 OF ASCE 7; PER SEC 6.5.3, USE TABLE 1-1.
- APPLICABLE INTERNAL PRESSURE COEFFICIENT (NOT APPLICABLE) - THESE SHELTERS CONFORM TO THE REQUIREMENTS OF SECTION 1609.1.1 WHICH ALONG CHAPTER 6 OF ASCE 7; USE SEC 6.4; METHOD 1 SIMPLIFIED PROCEDURE.
- WIND IMPORTANCE FACTOR - $R = 1.00$
- THIS SHELTER IS AN "ENCLOSED STRUCTURE".
- THESE PLANS ARE DESIGNED TO BE USED FOR THE CONSTRUCTION OF COMMERCIAL MODULAR UNITS, IN ACCORDANCE WITH CA HEALTH AND SAFETY CODE SECTION 18038, 1991 IBC, 1993 NEC, ANSI A117.1-1996.
- THE 2005 NEC IS MORE STRINGENT THAN THE 2002 NEC.
- HVAC UNITS ARE SIZED PER CUSTOMER REQUIREMENTS.
- EXTERNAL GROUNDING BY OTHERS.
- SHELTER CONSTRUCTED IN ACCORDANCE WITH 99 72 FAC.
- FLORIDA SHELTERS WITH LOUVERS HAVE THEM PROTECTED WITH A VENT HOOD & COMPLY WITH THE HVHZ REQUIREMENTS.
- THIS BUILDING DOES NOT CONTAIN PLUMBING FACILITIES.

EXTERIOR COMPONENTS AND CLADDING POSITIVE AND NEGATIVE PRESSURES IN TERMS OF PSF	2000 IBC, 2003 IBC, 2006 IBC, 2000,2003,2008 IBC, 2004 FBC, 120 MPH WIND SPEED		
	2000 IBC, 2003 IBC, 2006 IBC, 2000,2003,2008 IBC, 2004 FBC, 120 MPH WIND SPEED	2000,2003,2008 IBC, 2004 FBC, 150 MPH WIND SPEED	2000,2003,2008 IBC, 2004 FBC, 150 MPH WIND SPEED
ROOF ZONE 1 (100 SF EFFECTIVE WIND AREA)	+12.1/-26.7	+10.0/-26.7	+13.7/-44.8
ROOF ZONE 2 (20 SF EFFECTIVE WIND AREA)	+12.1/-46.9	+12.0/-46.9	+18.6/-73.4
ROOF ZONE 3 (10 SF EFFECTIVE WIND AREA)	+12.7/-79.1	+12.7/-79.1	+20.0/-123.7
WALL ZONE 4 (200 SF EFFECTIVE WIND AREA)	+25.8/-28.4	+25.8/-28.4	+39.6/-43.4
WALL ZONE 5 (30 SF EFFECTIVE WIND AREA)	+29.3/-38.0	+29.3/-38.0	+45.9/-59.2



THIS DRAWING IS THE CONFIDENTIAL PROPERTY AND CONTAINS TRADE SECRETS OF CELLIXION, LLC. ANY USE OF THESE DRAWINGS OR THE INFORMATION CONTAINED HEREIN FOR ANY REASON OTHER THAN AS EXPRESSLY AUTHORIZED BY CELLIXION, LLC IS STRICTLY PROHIBITED. THIS DRAWING HAS BEEN DISTRIBUTED WITH THE UNDERSTANDING THAT ANYONE RECEIVING OR OTHERWISE OBTAINING POSSESSION OF IT WILL BE EXPRESSLY ADVISED OF ITS CONFIDENTIAL NATURE.

Cellixion
 50.31 Hazel Jones Road
 Bossier City, Louisiana 71111
 voice: (318) 213-2900
 fax: (318) 213-2919
 www.cellixion.com

CUSTOMER:
U.S. CELLULAR

PROJECT:
 11'-3" X 19'-4"
 CONCRETE SHELTER
 COVER SHEET

FILENAME: SUS446/SLS446.dwg	SCALE: N.T.S.	TOLERANCE: 5/25/05
DRAWN BY: L. STEBECK	DATE: 5/25/05	
CHECK BY: S. BRIMMAN	DATE: 5/25/05	
ENG. BY: S. LEGGETT	DATE: 5/25/05	
APP. BY: S. LEGGETT	DATE: 5/25/05	
SHEET NO: 0-0		
DRAWING NO: SUS446		0

PARTS LIST

ITEM	QTY	U/M	P/N	DESCRIPTION	ITEM	QTY	U/M	P/N	DESCRIPTION
1	1.0000	EA	390027	TELEO BOARD, 4" X 4" PLY, WITH 3/8" FRP	71	1.0000	EA	400120	LUG, 2 HOLE, 2/3, BLACK, 1/4" HOLES, 3/4" C/C, LWF
2	4.0000	EA	198283	BUSHING, PLASTIC, 1/2"	72	2.0000	EA	400124	W-TAP, 250-250, PUR, 2 WIRE, PANDUIT
3	2.0000	EA	170084	PIPE, GALV, SCH 40, 1 1/4", CAP	73	8.0000	EA	400125	LUG, 2 HOLE, 2/3, BLACK, 3/8" HOLES, 1" C/C, LWF
4	1.0000	EA	170118	PIPE CAP/PLUG, PLASTIC, MPT, NIAGARA #342	74	12.0000	EA	400248	WIRE CLIP, 3/16", PANDUIT, CCS31-38-M
5	1.0000	EA	410063	NIPPLE, EMT, 1/2", CHASE	75	1.0000	EA	400307	LUG, 2 HOLE, #4 GRAY, 3/8 BOLT, 1" C/C, LWF W/ WINDOW
6	1.0000	EA	410113	NIPPLE, EMT, 1/2", OFFSET		4.0000	EA	400371	LUG, 2H, #8, BLUE, 1/4" BOLT, 3/4" C/C, LWF
7	2.0000	EA	410184	NIPPLE, RIGID, 1/2" X 7 1/2"	78	3.0000	EA	400377	LUG, 2 HOLE, #4 GRAY, 1/4" HOLES, 3/4" C/C, LONG BARREL FLARED WITH WINDOW
8	4.0000	EA	410206	NIPPLE, RIGID, 3/4" X 8"	79	1.0000	EA	400380	LUG, 1 HOLE, #2/D, BLACK, 3/8" HOLES FLARED
9	1.0000	EA	410207	NIPPLE, RIGID, 1/2" X 8"	80	1.0000	EA	480005	SHK, CELLXON BRASS GREEN SERIAL NUMBER PLATE
10	3.0000	EA	410276	NIPPLE, RIGID, 1 1/4" X 8"	81	1.0000	EA	480088	SHELF, 20", WALL MOUNT, WOOD
11	1.0000	EA	430003	BOX, 4" OCTAGON, 1 1/2" DEEP, 1/2" & 3/4" RD		8.0000	EA	510000	CABLE LADDER, 12" X 8" 1/2", 1/2"
12	17.0000	EA	430005	BOX, JUNCT, 4 1/2" X 4", 2 1/8" DEEP, 1/2"-3/4" RD		2.0000	EA	510001	CABLE LADDER, 6" X 8" 1/2", 1/2"
13	1.0000	EA	430028	BOX, JUNCTION, 4 11/16" X 2 1/8"	91	4.0000	PR	510014	CABLE LADDER, WALL CLIP, WC12, PAIR
14	2.0000	EA	430030	BOX, JUNCTION, 4" X 4", WEXNER PROOF, (3) 1/2" HOLES	82	8.0000	EA	510018	CABLE LADDER, HKT BRACKET, 2" X 1 1/2", CHBT
15	1.0000	EA	430288	CAP, 1/2" PIPE, GALVANIZED	83	8.0000	EA	510030	CABLE LADDER, RED INSULATOR 1/4"-20
16	2.0000	EA	480101	THERMOSTAT, HIGH/LOW TEMPERATURE	84	1.0000	EA	510052	CABLE LADDER, 24" X 8" 1/2", 1/2"
17	1.0000	EA	480118	CONTROLLER, CONSTANT 3, MINIMUM, 3/4"X3/8"	85	8.0000	EA	510081	CABLE LADDER, MONOSTEEL, END CAP
18	4.0000	EA	470057	LIGHT FIXTURE, WITEXOR, 32W, 2 BULB, 4 FT, T-8 LAMP, ELECTRONIC BALLAST	86	12.0000	EA	510074	CABLE LADDER, FLOOR BRACKET, 2" X 1 1/2"
19	1.0000	EA	470080	LIGHT FIXTURE, EXTERIOR QUARTZ WITH MOTION DETECTOR, QTSOOR	87	2.0000	EA	510078	CABLE LADDER, HKT BRACKET, 1" RISE
20	1.0000	EA	800022	LOADCENTER, HT, 200A, 30 SPACE, MANUAL TRANSFER SWITCH, TVSS (CUSTOMER SUPPLIED)	88	24.0000	EA	510181	CABLE LADDER, TRAY HANGER, 11"
21	1.0000	EA	900006	ALARM BLOCK, RMA, SP88M1-BOX W/ BASE, USC, CUSTOMER SUPPLIED	89	3.0000	EA	510203	CAP, WIRE, 1/2", BLACK, RUBBER
22	48.0000	FT	400029	WIRE, #24/12 PWR, CHT 3, SOLID	100	2.0000	EA	521000	HVAC GRILL, SUPPLY, 6" X 28"
23	6.0000	EA	400076	BREAKER, 30D, 2P, 30A, PLUG IN, Q0230	101	2.0000	EA	521100	HVAC GRILL, RETURN, 14" X 28"
24	4.0000	EA	400080	BREAKER, 30D, 1P, 20A, PLUG IN, Q0120	102	2.0000	EA	522001-0003	HVAC SLEEVE, 6" X 28" X 6"
25	2.0000	EA	400105	BREAKER, 30D, 2P, 40A, PLUG IN, Q0240	103	2.0000	EA	522001-0008	HVAC SLEEVE, 14" X 28" X 6"
26	3.0000	EA	400530	FUSE, HOLDER, IN-LINE, HLZ2	104	18.0000	EA	530005	CAP, WIRELOUSE ENTRY, #4, #20CA4
27	2.0000	EA	400533	FUSE, 1 AMP, SMALL DIN BURE, GLR1	105	1.0000	EA	530010	WIRELOUSE ENTRY, 18 PORT, 4", 40A
28	1.0000	EA	400536	RELAY, COIL, 8-PIN, 24VAC, DPDT, 10 AMP	106	1.0000	EA	530014	WIRELOUSE PLATE, 1/8" X 28 1/2" X 25 1/2"
29	1.0000	EA	400537	RELAY, BASE, 8-PIN OCT, 10A, SINGLE TIER	107	1.0000	EA	540183	GROUND BAR, THIN, 2" X 14" X 1/4", TELCO
30	18.0000	FT	410111	CONDUIT, LFMC, 3/4"	108	1.0000	EA	540207	GROUND BAR, COPPER, 4" X 24" X 1/4", UNIVERSAL, THIN
31	6.0000	FT	410112	CONDUIT, LFMC, 1/2"	108	1.0000	EA	540207-01	GROUND BAR, KIT, COPPER, 4" X 24" X 1/4", UNIVERSAL, THIN
32	1.0000	EA	410117	CONNECTOR, LFMC, 1/2", STRAIGHT	110	1.0000	EA	540210-01	GROUND BAR, KIT, THIN, 4" X 20" X 1/2", 8 LUG
33	2.0000	EA	410128	CONNECTOR, LFMC, 3/4", STRAIGHT	111	11.0000	EA	540218	GROUND STRAP ASST, #4 THIN, 14 1/2" LONG
34	1.0000	EA	430008	LABEL, BLK, ELECT, "GPO"	112	2.0000	EA	540228	GROUND STRAP ASSEMBLY, #4 THIN, 6" LONG
35	1.0000	EA	430007	LABEL, BLK, ELECT, "ALARM BLOCK"	113	2.0000	EA	540241	GROUND STRAP ASSEMBLY, #4 THIN, 21"
36	1.0000	EA	430008	LABEL, BLK, ELECT, "INTERIOR LIGHT"	114	2.0000	EA	540247	GROUND STRAP ASST, #8 THIN, 30" LONG
37	1.0000	EA	430010	LABEL, BLK, ELECT, "AC PANEL"	115	1.0000	EA	540307	ANGLE MOUNT, ICE SHIELD, 2" X 1/4" X 2 1/4"
38	1.0000	EA	430011	LABEL, BLK, ELECT, "LOW TEMP"	116	1.0000	EA	540000	DOOR, 3670, CUPRESS, 18 GA, GALVANIZED
39	1.0000	EA	430015	LABEL, BLK, ELECT, "HIGH TEMP"	117	3.0000	EA	540400	DOOR HINGES, STAINLESS STEEL, 320
40	1.0000	EA	430016	LABEL, BLK, ELECT, "LEAD-LAG CONTROLLER"	118	1.0000	EA	540400	DOOR, CLOSER, SARGENT 1104, ALUMINUM
41	1.0000	EA	430017	LABEL, BLK, ELECT, "HVAC #2"	118	1.0000	EA	540402	DOOR, BUMPER, 35 RUBBER STOP, BROWN
42	1.0000	EA	430018	LABEL, BLK, ELECT, "HVAC #1"	120	1.0000	EA	540413	DOOR, HOLD OPEN, T-LATCH, 6" STAINLESS STEEL
43	18.0000	EA	430033	LABEL, SELF TRANSFER, PANDUIT TT182	121	1.0000	EA	540425	DOOR, PEEP HOLE, LARGE
44	1.0000	EA	430041	LABEL, BLK, "HVC FLASH & SHOCK WARNING"	122	1.0000	EA	540430	DOOR, LOCKWARD, 10", STAINLESS STEEL, 320
45	3.0000	EA	430010	COVER, RECEPTACLE PLATE, 4XA, QUAD	123	1.0000	EA	540440	DOOR, DRP CAP, HOF18A-48"
46	11.0000	EA	430012	COVER, BLANK PLATE, 4XA	124	1.0000	EA	540401	DOOR, THRESHOLD 48", ALUMINUM, 2 PIECE
47	1.0000	EA	430014	COVER, BLANK PLATE, 4 11/16" X 4 11/16"	125	1.0000	EA	540558	DOOR, STRIKER PLATE, STANDARD
48	2.0000	EA	430025	COVER, RECEPTACLE PLATE, 4XA, DUPLEX	126	1.0000	EA	540138	GROUND BAR, COPPER, ELL BRACKET 2"
49	1.0000	EA	430033	RECEPTACLE, GFCI, 120V, 20A, HORY	127	1.0000	EA	540139	GROUND BAR, COPPER, 1" X 4" X 1/8", 2 HOLE
50	8.0000	EA	430036	RECEPTACLE, DUPLEX, 125V, 20 AMP, ISOLATED GRANGE	128	1.0000	EA	540216	GROUND STRAP ASSEMBLY, 1/2 BRANDED COPPER, 14" LONG
51	1.0000	EA	430072	COVER, SWITCH PLATE, 4XA, 2 SWITCH	129	1.0000	EA	570005	DOOR, CANOPY, 48", MOUNTING BRACKET
52	2.0000	EA	430084	SWITCH, SPST, 20A, 120V, HORY	130	2.0000	EA	504400	DOOR, DRP CAP, HOF18A-48"
53	1.0000	EA	430084	COVER, GFCI, 2 RECEPTACLE, HORIZONTAL	131	1.0000	EA	520143	HVAC WALL, 3 TON 5 KW, BARVAR, BROWN, EOOD, AMP38ACA
54	0.2000	EA	430521	RAL, DN, AS, 35MM X 7.5MM X 17.5M	132	1.0000	EA	520185	HVAC WALL, 3 TON 5 KW, BARVAR, BROWN, EOOD, AMP38ACA
55	4.0000	EA	470047	LIGHT FIXTURE, LENS, 2-BULB T-8, WRAP AROUND	133	1.0000	EA	430048	LABEL, DATA, STANDARD SHELTER
56	8.0000	EA	470058	LIGHT BULB, F32 T-8 MED BPHN	134	1.0000	EA	480001	PLATE, DATA ALUMINUM, .0630" X 10"
57	1.0000	EA	480000	ALARM, MAGNETIC DOOR CONTACT	135	1.0000	EA	900018	SHL, SITE INSTRUCTIONS (CUSTOMER SUPPLIED)
58	1.0000	EA	480005	DETECTOR, SMOKE, 24VDC, PHOTOELECTRIC, SDATROL	136	1.0000	EA	504200	DOOR, WEATHERSTRIPPING, MAGNETIC 42"
59	1.0000	EA	400001	LUG, 2 HOLE, #8, BLUE, 3/8" BOLT, 1" C/C, LWF W/ WINDOW	137	1.0000	EA	504214	DOOR, WEATHERSTRIP, SPONGE, 40" LONG
60	3.0000	EA	400005	WIRE CLIP, 1/2", PANDUIT, CCS30-38-M	138	2.0000	EA	470061	LIGHT BULB, HALOGEN LAMP, FL25/130V
61	1.0000	EA	400021	C-TAP, BROWN, 54720 (COMPRESSION TYPE)	139	1.0000	EA	480000	TRAY, WALL FILE PLASTIC, LR - SMOKE (PACKING LIST ITEM)
62	18.0000	FT	400030	WIRE, #8 THIN, STRANDED, GREEN					
63	137.5000	FT	400045	WIRE, #8 THIN, STRANDED, GREEN					
70	1.0000	FT	400073	WIRE, #4 THIN, STRANDED, GREEN					

P	HW5	3/05/08	UPDATED BOM/PARTS LIST	GAB	3/05/08	
L	JFA	1/2/08	REVISED PER MARK-UPS	GAB	1/2/08	
REV	BY	DATE	DESCRIPTION	APP	BY	DATE

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CUSTOMER:
U.S. CELLULAR

PROJECT:
11'-3" X 19'-4" CONCRETE SHELTER ITEM LIST

FILENAME: **SUS446/SUS446.dwg**

SCALE:	N.T.S.	TOLERANCE:	
DRWN. BY:	L. STREBECK	DATE:	5/25/08
CHK. BY:	G. BRINKMAN	DATE:	5/25/08
ENG. BY:		DATE:	
APP. BY:	S. LEGGETT	DATE:	5/25/08
SHEET NO.	0-1		
DRAWING NO.:	SUS446		Q

Parts List				
ITEM	QTY	U/M	P/N	DESCRIPTION
140	1.0000	EA.	480067-01	PACKING KIT, TYPICAL EVERY SHELTER (PACKING LIST ITEM)
141	1.0000	EA.	480139	PACKING KIT, US CELLULAR (PACKING LIST ITEM)
142	1.0000	KT.	480148	CK-LAG BULK KIT (PACKING LIST ITEM)
143	1.0000	EA.	540247	GROUND STRAP ASSY, #6 THIN, 30" LONG (PACKING LIST ITEM)
144	1.0000	EA.	570000	DOOR, CANOPY, 48", METAL (PACKING LIST ITEM)

CUT LIST				
ITEM	P/N	DESCRIPTION	CUT	PCS
30	410111	CONDUIT, LPVC, 3/4"	86"	2
31	410112	CONDUIT, LPVC, 1/2"	72"	1
54	430221	RW, DIM. AS, 35MM X 7.5MM X 17.5MM	3 1/2"	1
62	400030	WIRE, #6 THIN, STRANDED, GREEN	228"	1
63	400045	WIRE, 2/0 THIN, STRANDED, GREEN	12"	2
64	400045	WIRE, 2/0 THIN, STRANDED, GREEN	72"	1
65	400045	WIRE, 2/0 THIN, STRANDED, GREEN	120"	1
66	400045	WIRE, 2/0 THIN, STRANDED, GREEN	248"	1
67	400045	WIRE, 2/0 THIN, STRANDED, GREEN	228"	1
68	400045	WIRE, 2/0 THIN, STRANDED, GREEN	284"	2
69	400045	WIRE, 2/0 THIN, STRANDED, GREEN	432"	1
70	400073	WIRE, #4 THIN, STRANDED, GREEN	12"	1
82	510000	CABLE LADDER, 12" X 6" @ 1/2", 1/2"	36"	2
83	510000	CABLE LADDER, 12" X 6" @ 1/2", 1/2"	31 1/2"	2
84	510000	CABLE LADDER, 12" X 6" @ 1/2", 1/2"	36"	1
85	510000	CABLE LADDER, 12" X 6" @ 1/2", 1/2"	70 1/2"	1
86	510000	CABLE LADDER, 12" X 6" @ 1/2", 1/2"	82 1/2"	1
87	510000	CABLE LADDER, 12" X 6" @ 1/2", 1/2"	85 1/8"	1
88	510000	CABLE LADDER, 12" X 6" @ 1/2", 1/2"	118 1/2"	2
89	510001	CABLE LADDER, 6" X 6" @ 1/2", 1/2"	12"	1
90	510001	CABLE LADDER, 6" X 6" @ 1/2", 1/2"	36"	1
94	510052	CABLE LADDER, 24" X 6" @ 1/2", 1/2"	31 1/2"	1

SHOP DETAILS	
DWG NO.	DESCRIPTION
30-002	BOX TO BOX PENETRATION DETAIL
30-004	BOX TO GFCI PENETRATION DETAIL
30-011	PLASTIC CAP INSTALLATION DETAIL
30-012	RIGID, CLOSE & CHASE NIPPLE APPLICATION
30-013	WIREWAY TO AC PANEL CONNECTION
40-001	ELECTRICAL NOTES
40-002	ELECTRICAL LEGEND
50-001	GROUND BAR MOUNTING INSTALLATION
50-005	CSL LDR GRND DETAIL(T JUNC.)1Side
50-007	CSL LDR GRND DETAIL(SPLICE JUNC.)1Side
50-035	THRU-WALL PENETRATION PVC PIPED 45°
50-044	SINGLE CONNECTOR AT STEEL OBJECT
50-045	SINGLE CONNECTOR AT STEEL OBJECT
50-047	DOOR FRAME BONDING DETAIL
50-048	EXTERIOR DOOR FRAME BONDING DETAIL
50-052	WIRE CLIP INSTALLATION
51-003	2 PC THRESHOLD INSTALLATION
51-005	WEATHERSTRIP INSTALLATION
51-006	DRIP CAP INSTALLATION
51-007	DOOR LOCKGUARD INSTALLATION
51-008	DOOR PULL HANDLE INSTALLATION
51-009	DOOR HOLD OPEN INSTALLATION
51-010	DOOR CLOSER DETAIL
51-012	DOOR CANOPY INSTALLATION
51-013	ID SIGN LOCATION
51-014	DOOR HARDWARE INSTALLATION
51-029	DOOR ALARM INSTALLATION
52-003	STRAIGHT CLAMP INSTALLATION
52-004	CORNER CLAMP INSTALLATION
52-009	C-LADDER WALL MOUNT
52-018	WALL BRACKET INSTALLATION
52-017	CABLE LADDER "DOG LEG" INSTALLATION
52-018	HANGER BRACKET CONNECTION
52-021	HANGER BRACKET INSTALLATION
53-001	WAVEGUIDE ENTRY INSTALLATION
53-003	2" MINI LATCHER DETAIL
55-008	HVAC INSTALLATION AND CONNECTIONS
55-010	HVAC DRIP CAP INSTALLATION

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CUSTOMER:
U.S. CELLULAR

PROJECT:
11'-3" X 19'-4" CONCRETE SHELTER SHOP DETAILS/ CUT LIST

FILENAME:
 SUS446/SUS446.dwg
 SCALE: N.T.S. TOLERANCE:
 DRWN. BY: L. STREBECK DATE: 5/25/06
 CHK. BY: G. BRINKMAN DATE: 5/25/06
 ENG. BY: DATE:
 APP. BY: S. LEZBETT DATE: 5/25/06
 SHEET NO.
 0-2
 DRAWING NO.:
SUS446 0

0	JWR	8/7/08	REVISED WIRE CUT LENGTHS ACCORDING TO MARKUP	GAB	08/07/08
1	JFA	1/2/08	UPDATED TO NEW STANDARDS	GAB	1/2/08
1	JFA	09/21/07	ADDED SHOP DETAILS 30-011 & 53-003	GAB	09/21/07
1	SSH	1/8/07	REVISED PER MARK-UP SUS446-D-02		3/29/07
REV. BY:	DATE:	DESCRIPTION:	APP. BY:	DATE:	

OPTIONAL COMPONENTS

OPT.	OPT. NO.	TAG NO.	QTY	U/M	PART NO.	DESCRIPTION	OPT.	OPT. NO.	TAG NO.	QTY	U/M	PART NO.	DESCRIPTION	
A	A1	1	1	EA	504603	LOCKSET, DEAD BOLT, CYLINDRICAL, BEST	F	F1	1	EA	---	---	NOT REQUIRED	
		2	1	EA	504501	CORE, LOCKSET, CONSTRUCTION, GREEN, BEST		F2	1	1	EA	400181	BREAKER, STD, 1P, PLUG IN, Q0115 (MOTION DETECTOR INSTALLED BY OTHERS)	
		3	1	EA	504128	KEY, OPERATING, BEST "A" CORE		G1	1	1	EA	---	---	NOT REQUIRED
		4	2	EA	504604	DOOR, PULL HANDLE, KASSON CAST, 362			1	1	EA	430892	SWITCH, ATS, 3P225A, KOHLER, 240V, NEMA 1	
		1	1	EA	504506	LOCKSET, ELECTRONIC, SUPRA, WITH LEVER			2	2	EA	410181	NIPPLE, RIGID, 2" X 6 1/2" LONG	
A2	2	1	EA	504601	CORE, LOCKSET, CONSTRUCTION, GREEN, BEST	3	2	EA	170125	PIPE, CAP/PLUG, PLASTIC, NPT, NIAGARA #257				
	3	1	EA	504108	KEY, OPERATING, BEST "A" CORE	4	2	EA	410080	BUSHING, EMT, 2", PLASTIC				
B	B1	1	---	EA	---	---	G2	5	1	FT.	170005	PIPE, PVC, SCH 40, 3" X 6" LONG		
		1	1	EA	510000	CABLE LADDER, 12" X 9"-8 1/2", YELLOW ZINC (29")		6	1	EA	410217	NIPPLE, RIGID, 1" X 6" LONG		
		2	2	EA	510074	CABLE LADDER, FLOOR BRACKET, 3.5" X 1.5"		7	1	EA	170112	PIPE, CAP/PLUG, PLASTIC, NPT, NIAGARA #248		
		3	1	EA	540215	GROUND STRAP ASSY, #4 THHN, 14 1/2"		8	1	EA	410077	BUSHING, EMT, 1" PLASTIC		
		4	1	EA	510002	CABLE LADDER, CORNER CLAMP, KIT CC12		9	50	FT.	170003	PIPE, PVC, SCH 40, 1 1/2" X 6" LONG		
C	C1	3	1	EA	510010	CABLE LADDER, STRAIGHT CLAMP, SC12	G	G3	10	1	EA	430006	BOX, JUNCTION, 4" X 4", 2 1/8" DEEP, 1/2"-3/4" KD	
		1	---	EA	---	---			---	---	NOT REQUIRED			
		1	1	EA	470020	BLOWER, VENT FAN, DAYTON, 40240			11	1	EA	430012	COVER, BLANK PLATE, 4" X 4"	
		2	1	EA	490064	DETECTOR, HZ, 120V, RELAY 1X N/O, 2X N/C			1	1	EA	430892	SWITCH, ATS, 3P225A, KOHLER, 240V, NEMA 1	
		3	1	EA	470081	MINI LOUVER, 2" WHITE PLASTIC			2	2	EA	410181	NIPPLE, RIGID, 2" X 8 1/2" LONG	
		4	1	EA	170028	PIPE, PVC, SCH 40, 2", 90° ELBOW			3	2	EA	170125	PIPE, CAP/PLUG, PLASTIC, NPT, NIAGARA #257	
		5	1	EA	410146	CONNECTOR, LFMC, 1/2", 45°			4	2	EA	410080	BUSHING, EMT, 2", PLASTIC	
		6	1	EA	410117	CONNECTOR, LFMC, 1/2", STRAIGHT			5	1	FT.	170005	PIPE, PVC, SCH 40, 3" X 6" LONG	
		7	3	FT.	410112	CONDUIT, LFMC, 1/2"			6	1	EA	410217	NIPPLE, RIGID, 1" X 6" LONG	
		8	1	EA	400181	BREAKER, STD, 1P, 15A, PLUG IN, Q0115			7	1	EA	170112	PIPE, CAP/PLUG, PLASTIC, NPT, NIAGARA #248	
		9	.4683	FT.	170010	PIPE, PVC, SCH 40, 2" X 3 1/2" LONG			8	1	EA	410077	BUSHING, EMT, 1" PLASTIC	
		10	1	EA	400585	RELAY, COM, 8-PIN 24VDC, DPDT			9	50	FT.	170003	PIPE, PVC, SCH 40, 1 1/2" X 6" LONG	
		11	1	EA	400537	RELAY, BASE, 8-PIN DCAL, 10A, SINGLE TIER			10	6	EA	510015	UNISTRUT, 6" LONG, SECURED TO WALL WITH CONCRETE STUDS	
		12	2	EA	400585	FUSE, 10 AMP, SMALL DIN BUSS, QLR10			11	1	EA	430006	BOX, JUNCTION, 4" X 4", 2 1/8" DEEP, 1/2"-3/4" KD	
		13	2	EA	400530	FUSE, HOLDER, IN-LINE, NLR2			12	1	EA	430012	COVER, BLANK PLATE, 4" X 4"	
14	1	EA	430008	BOX, 600X60, SCREW COVER, NEMA 1, 0-KO	1	---	EA	---	---	---	NOT REQUIRED			
15	4	EA	510142	UNISTRUT, 9"	1	1	EA	410181	NIPPLE, RIGID, 2" X 6 1/2"					
D	D1	1	---	EA	---	---	H	H2	2	1	EA	170125	PIPE, CAP/PLUG, PLASTIC, NPT, NIAGARA #257	
		1	2	EA	430121	DISCONNECT, HWAC, 80 AMP, NONFUSED, CHDPLUZZER			3	1	EA	410080	BUSHING, EMT, 2" PLASTIC	
		2	1	EA	410284	NIPPLE, RIGID, 3/4" X 7"			4	.50	FT.	170005	PIPE, PVC, SCH 40, 3" X 6" LONG	
		3	1	EA	430006	BOX, JUNCTION, 4" X 4", 2 1/8" DEEP, 1/2" - 3/4" KD								
		4	1	EA	430012	COVER, BLANK PLATE, 4" X 4"								
		5	1	EA	410217	NIPPLE, RIGID, 1" X 6"								
		6	.3333	FT.	170003	PIPE, PVC, SCH 40, 1 1/2" X 4" LONG								
		7	1	EA	410325	NIPPLE, RIGID, 3/4" X 6 1/2"								
		8	2	EA	510142	UNISTRUT, 9"								
		9	1	EA	430803	EXTENSION RING, 4", 1/2"-3/4" KD								
		1	1	EA	400022	RECEPTACLE, GENERATOR, 100A, 3WSP, AR1031S22								
		2	1	EA	430028	BOX, GENERATOR RECEPTACLE BACK, 100A, CH, AJ87								
		3	1	EA	430046	PLUG, 1 1/2", BLACK PLASTIC								
		4	23.5	FT.	410150	CONDUIT, EMT, 1 1/4"								
		5	90	FT.	400035	WIRE, #3 THHN, STRANDED, BLACK								
8	30	FT.	400036	WIRE, #8 THHN, STRANDED, GREEN										
E	E1	1	1	EA	430018	RECEPTACLE, GENERATOR, 200A, 3WSP, AR2003SRS								
		2	1	EA	430017	BOX, GENERATOR RECEPTACLE BACK, 200A, APT, AS620								
		3	1	EA	430053	PLUG, 2", BLACK PLASTIC								
		4	23.5	FT.	410133	CONDUIT, EMT, 2"								
		5	90	FT.	400074	WIRE, 3/0 THHN, STRANDED, BLACK								
		6	30	FT.	400073	WIRE, #4 THHN, STRANDED, GREEN								

NOTE: WHEN E2 IS USED HIDDEN BLOCK OUTS WILL BE DRILLED BY INSTALL, IF REQUIRED.

SHELTER REQUIRES ONE OPTION NUMBER FROM EACH OPTION LISTED.

NOTE THAT SOME OPTION NUMBERS ARE A KIT W/ MULTIPLE PARTS.

OPTIONS ARE IDENTIFIED ON THE DRAWING BY THE OPTION LETTER [X], BY OPTION NO. [XX], OR BY THE OPTION TAG NO. [XX-X]

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 fax: (318) 213-2919
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CUSTOMER:
U.S. CELLULAR

PROJECT:
11'-3" X 19'-4" CONCRETE SHELTER OPTIONAL ITEMS

FILENAME:
 SUS446/SUS446.dwg

SCALE: N.T.S. TOLERANCE:

DRAWN BY: L. STREBECK DATE: 5/25/06

CHK. BY: G. BRINKMAN DATE: 5/25/06

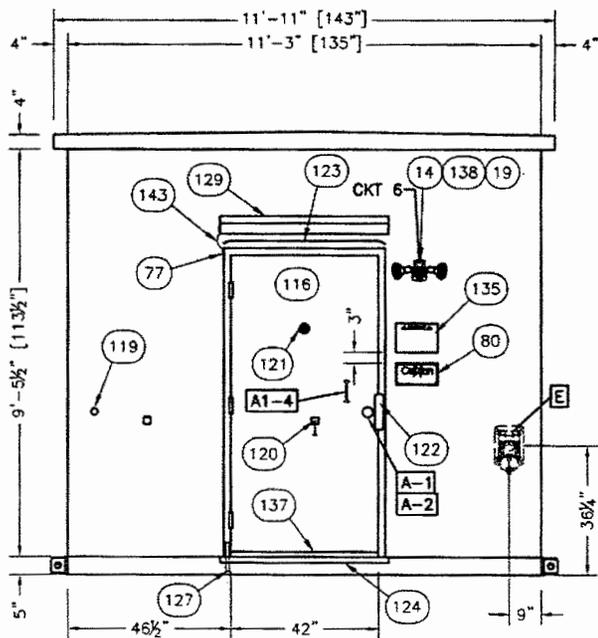
ENG. BY: DATE:

APP. BY: S. LEGGETT DATE: 5/25/06

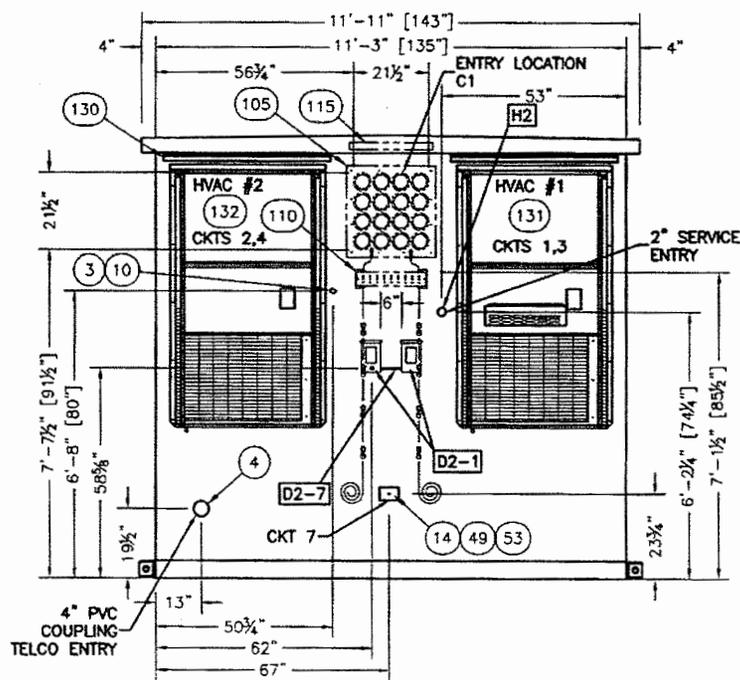
SHEET NO. 0-3

DRAWING NO.: **SUS446**

P	MMS	3/28/08	UPDATED TRANSFER SWITCH TO 430692	GAB	3/28/08
N	JFA	12/12/08	ADDED TO OPTIONS H	GAB	12/12/08
M	CAB	01/25/08	ADDED OPTIONS G-W & J	LD	01/25/08
REV	BY	DATE	DESCRIPTION	APP	DATE



EXTERIOR ELEVATION "A"



EXTERIOR ELEVATION "C"

REV.	BY	DATE	DESCRIPTION	APP. BY	DATE
Q	JWR	8/7/07	REVISED WG AND PENETRATION LOCATION	LD	8/7/08
M	GAB	01/25/08	ADDED OPTION J2	LD	01/25/08
H	JFA	9/21/07	REPLACED P/N 540213 TO P/N 540247; ADDED CAPS	GB	5/21/07
G	SSH	6/12/07	ADDED HVAC DRIP CAPS	VGM	6/12/07
D	LCS	2/9/07	REVISED PER MARK-UP SUSA46-C-02	VGM	2/9/07
C	ALA	1/8/07	ADDED OPTION	VGM	1/8/07
B	ALA	12/11/06	REVISED PER MARKUPS	VGM	12/11/06
REV. BY	DATE		DESCRIPTION	APP. BY	DATE

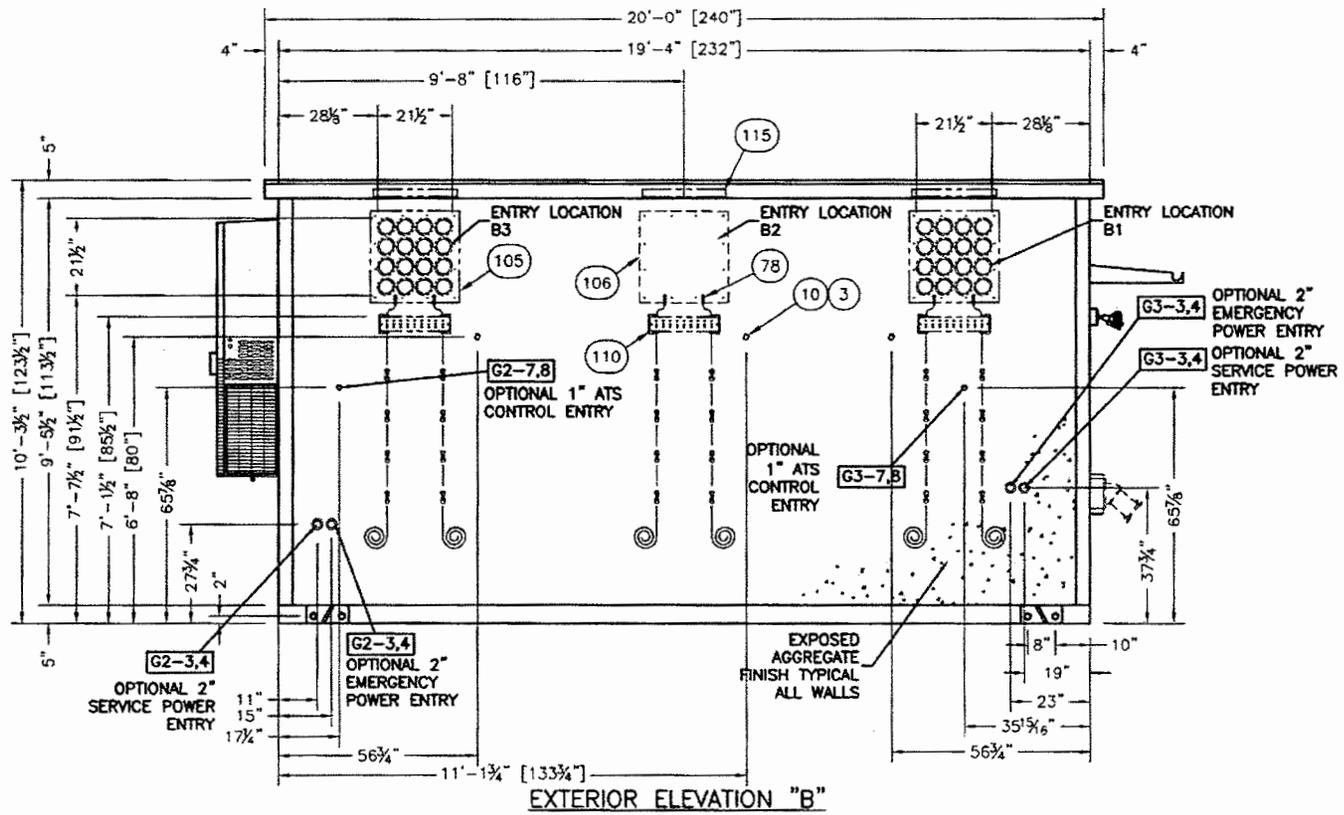
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CUSTOMER:
 U.S. CELLULAR

PROJECT:
 11'-3" x 19'-4"
 CONCRETE SHELTER
 EXTERIOR ELEVATION
 END PANELS "A & C"

FILENAME:
 SUSA46/SUSA46.dwg
 SCALE: 3/8" = 1'-0" TOLERANCE:
 DRAWN BY: L. STREBECK DATE: 5/25/06
 CHK. BY: G. BRINKMAN DATE: 5/25/06
 ENG. BY: DATE:
 APP. BY: S. LEGGETT DATE: 5/25/06
 SHEET NO. 1-0
 DRAWING NO. SUSA46



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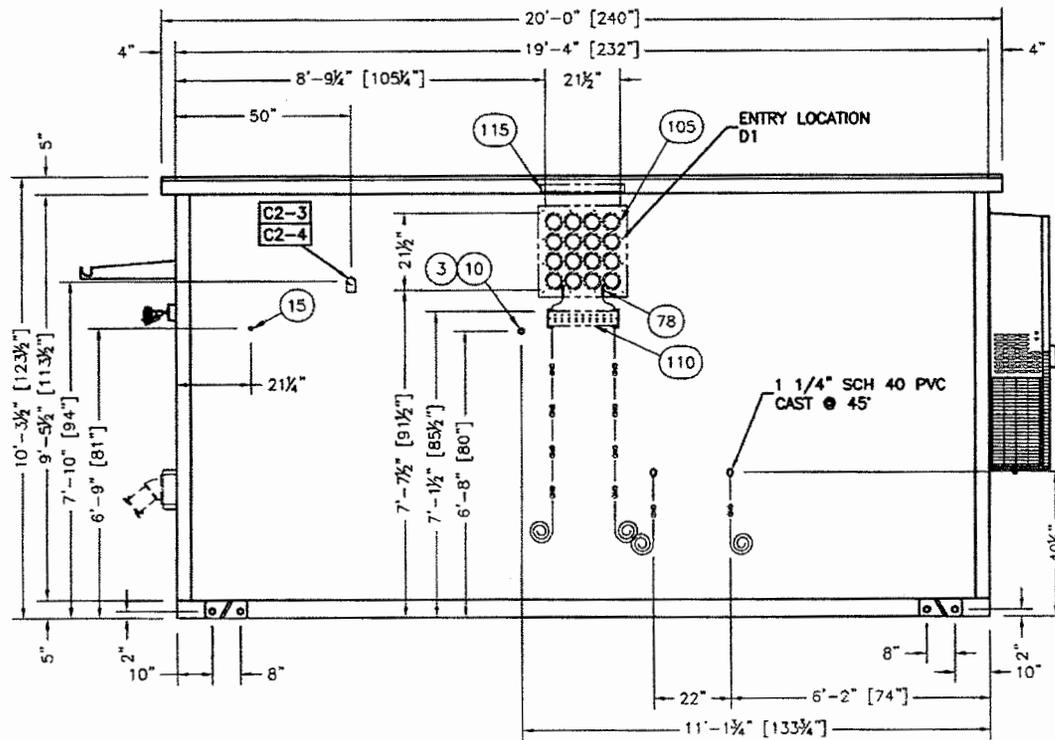
CUSTOMER:
U.S. CELLULAR

PROJECT:
11'-3" X 19'-4" CONCRETE SHELTER EXTERIOR ELEVATION SIDE PANEL "B"

FILENAME: SUSA46/SUSA46.dwg	
SCALE 3/8" = 1'-0"	TOLERANCE
DRWN. BY: L. STREBECK	DATE: 5/25/06
CHK. BY: C. BRINKMAN	DATE: 5/25/06
ENG. BY:	DATE:
APP. BY: S. LEGGETT	DATE: 5/25/06
SHEET NO. 1 - 7	

DRAWING NO.:
SUSA46

Q	JWR	8/7/08	REVISED WC AND PENETRATION LOCATIONS	LD	8/7/08
N	JFA	7/12/08	ADDED OPTION H2 & H3 CHANGED PNH# 400108 TO 400377	GAB	7/12/08
M	GAB	01/25/08	ADDED OPTION H2	LD	01/25/08
B	ALA	12/26/08	REVISED PER MARKUPS		12/26/08
REV. BY	DATE	DESCRIPTION		APP. BY	DATE



EXTERIOR ELEVATION "D"

REV. BY	DATE	DESCRIPTION	APP. BY	DATE
LD	8/7/05			
JWR	8/7/05	REVISED WG AND PENETRATION LOCATION		
ALA	1/9/07	RELOCATED PENETRATION HOLES		
ALA	12/25/06	REVISED PER MARKUPS		

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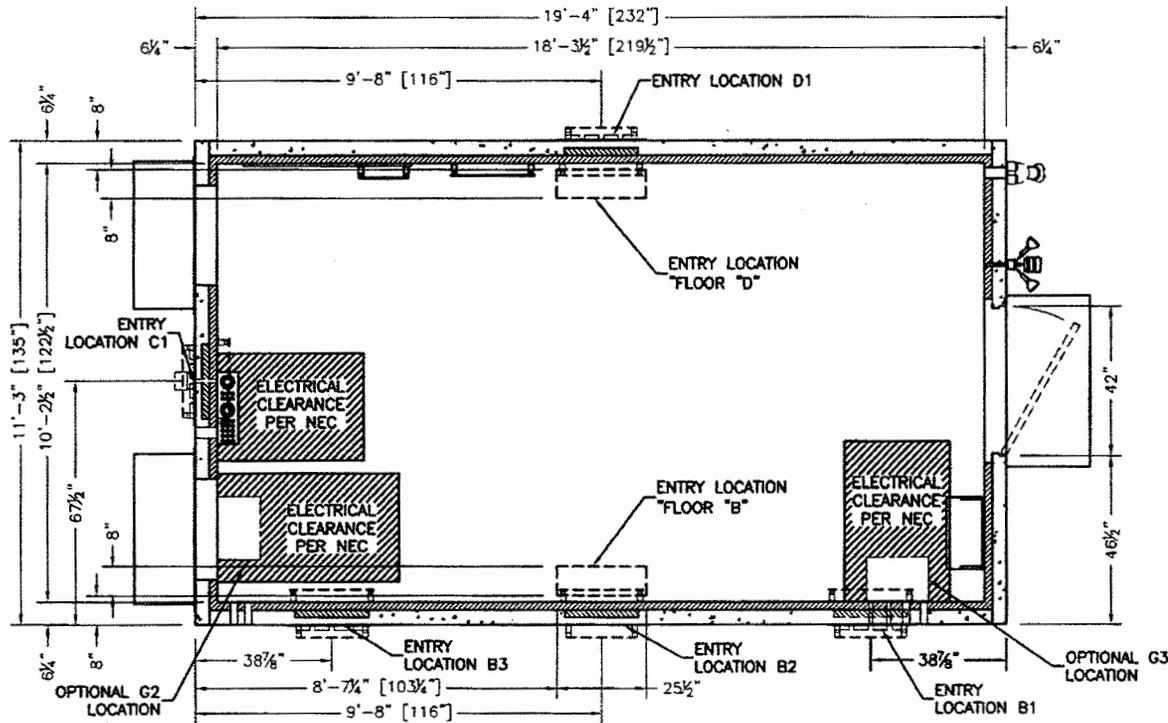
CUSTOMER:

U.S. CELLULAR

PROJECT:
 11'-3" X 19'-4"
 CONCRETE SHELTER
 EXTERIOR ELEVATION
 SIDE PANEL "D"

FILENAME:
 SUSA46/SUSA46.dwg
 SCALE: 3/8" = 1'-0" TOLERANCE:
 DRAWN BY: L. STREBECK DATE: 5/25/06
 CHK. BY: G. BRINKMAN DATE: 5/25/06
 ENG. BY: S. LEUGETT DATE: 5/25/06
 APP. BY:
 SHEET NO.
 1-2

DRAWING NO.
 SUSA46 0



NOTES:

1. STATE INSIGNIA SHALL BE LOCATED NEAR ELECTRICAL PANEL ON ELEVATION "C".

FLOOR PLAN
 217.50 SQ. FT. EXTERIOR
 184.40 SQ. FT. INTERIOR

Q	JWR	8/7/08	REVISED WG LOCATIONS	LD	8/7/08
P	WWS	3/28/08	UPDATED OPTIONAL TRANSFER SWITCH	GAB	3/28/08
M	GAB	12/25/08	ADDED TOP VIEW OF TRANSFER SWITCH	LD	12/25/08
B	ALA	12/11/08	REVISED PER MARKUPS		12/11/08
REV BY	DATE		DESCRIPTION	APP BY	DATE

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CUSTOMER:
U.S. CELLULAR

PROJECT:
 11'-3" X 19'-4"
**CONCRETE SHELTER
 FLOOR PLAN**

FILENAME:
 SUSA46/SUSA46.dwg

SCALE: 3/8" = 1'-0" TOLERANCE:

DRAWN BY: L. STREBECK DATE: 5/25/08

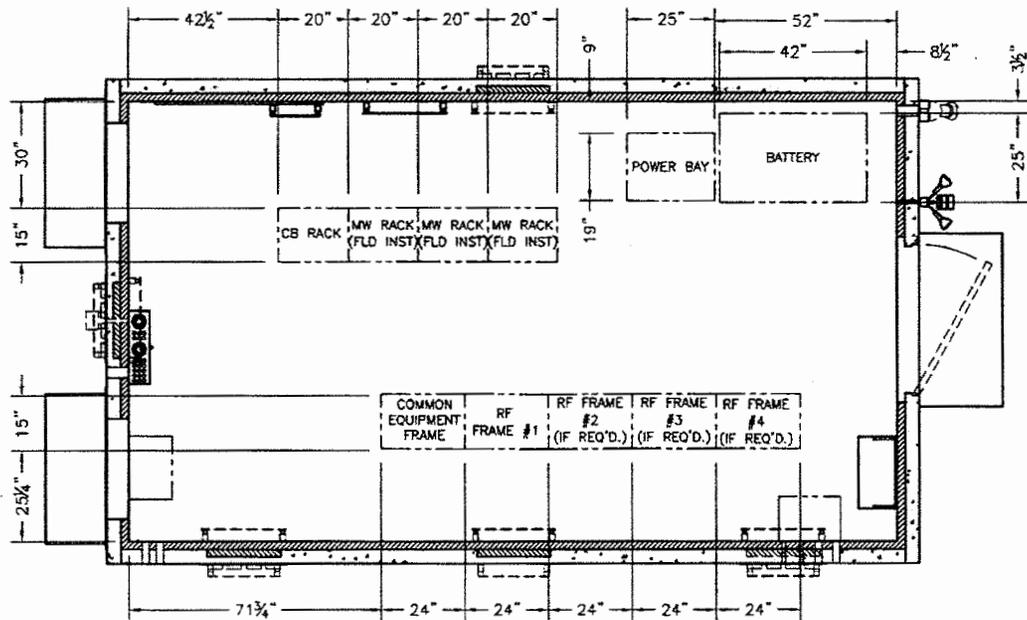
CHK BY: G. BRAUKMAN DATE: 5/25/08

ENG. BY: DATE:

APP. BY: S. LEGGETT DATE: 5/25/08

SHEET NO.
 2-0

DRAWING NO:
SUSA46



EQUIPMENT LAYOUT #1

LD	8/7/08	REVISED WC LOCATIONS	LD	8/7/08	
P	WWS	3/28/08	UPDATED TRANSFER SWITCH LOCATION	GAB	3/28/08
B	ALA	12/26/06	REVISED PER MARKUPS		12/26/06
REV BY	DATE	DESCRIPTION	APP BY	DATE	

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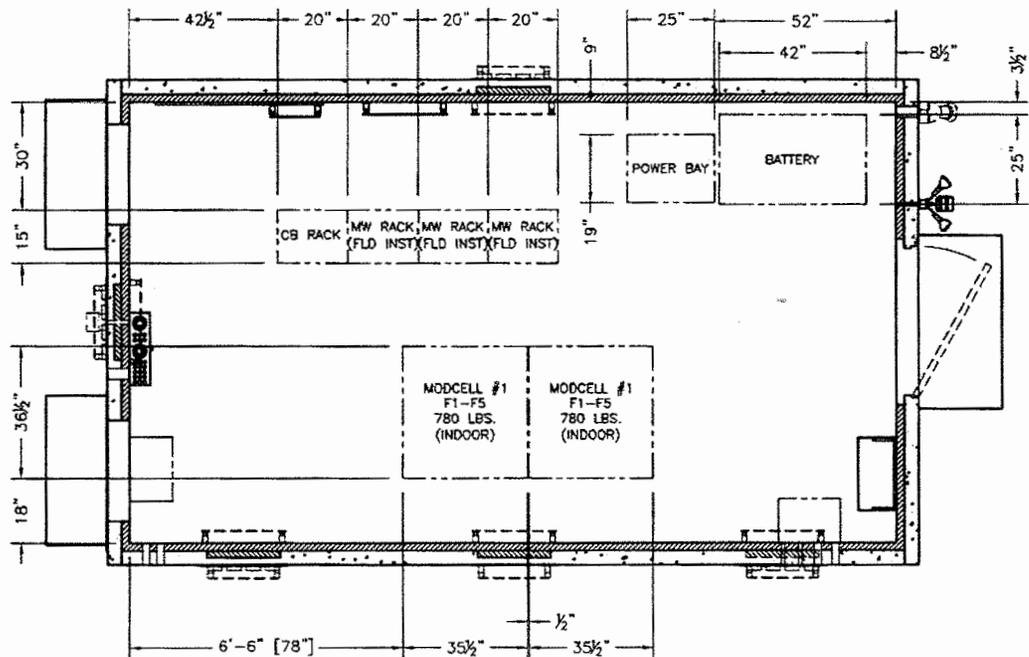
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 fax: (318) 213-2919
 www.cellxion.com

CUSTOMER:
U.S. CELLULAR

PROJECT:
11'-3" X 19'-4" CONCRETE SHELTER EQUIPMENT LAYOUT #1

FILENAME:
 SUSA46/SUSA46.dwg
 SCALE: 3/8" = 1'-0" TOLERANCE:
 DRWN. BY: L. STREBECK DATE: 5/25/06
 CHK. BY: C. BRINKMAN DATE: 5/25/06
 ENG. BY: DATE:
 APP. BY: S. LEGGETT DATE: 5/25/06
 SHEET NO.
 2-1

DRAWING NO.:
SUSA46



EQUIPMENT LAYOUT #2

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CUSTOMER:
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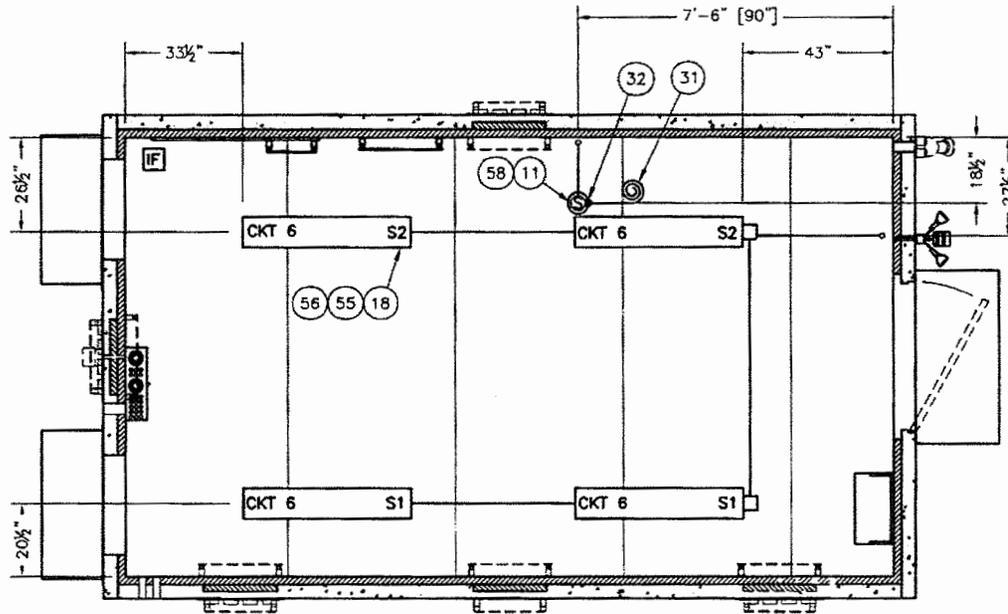
PROJECT:
 11'-3" X 19'-4"
 CONCRETE SHELTER
 EQUIPMENT LAYOUT #2

FILENAME:
 SUSA46/SUSA46.dwg
 SCALE: 3/8" = 1'-0" TOLERANCE:
 DRAWN BY: L. STREBECK DATE: 5/25/06
 CHK. BY: G. BRANKMAN DATE: 5/25/06
 ENG. BY: DATE:
 APP. BY: S. LEDGETT DATE: 5/25/06
 SHEET NO.
 2-2

DRAWING NO.:
 SUSA46 Q

REV. BY	DATE	DESCRIPTION	APP. BY	DATE
Q JWR	8/7/08	REVISED WG LOCATIONS	LJ	8/7/08
P WWS	3/28/08	UPDATED TRANSFER SWITCH LOCATION	GAB	3/28/08
B ALA	12/25/06	REVISED PER MARKUPS		12/25/06

SUB-PARTS LIST			
ITEM	P/N	DESCRIPTION	CUT
31	410112	CONDUIT, LMC, 1/2"	72"



LEGEND:

IF = INTERIOR FINISH START PANEL

**REFLECTED CEILING VIEW
ELECTRICAL**

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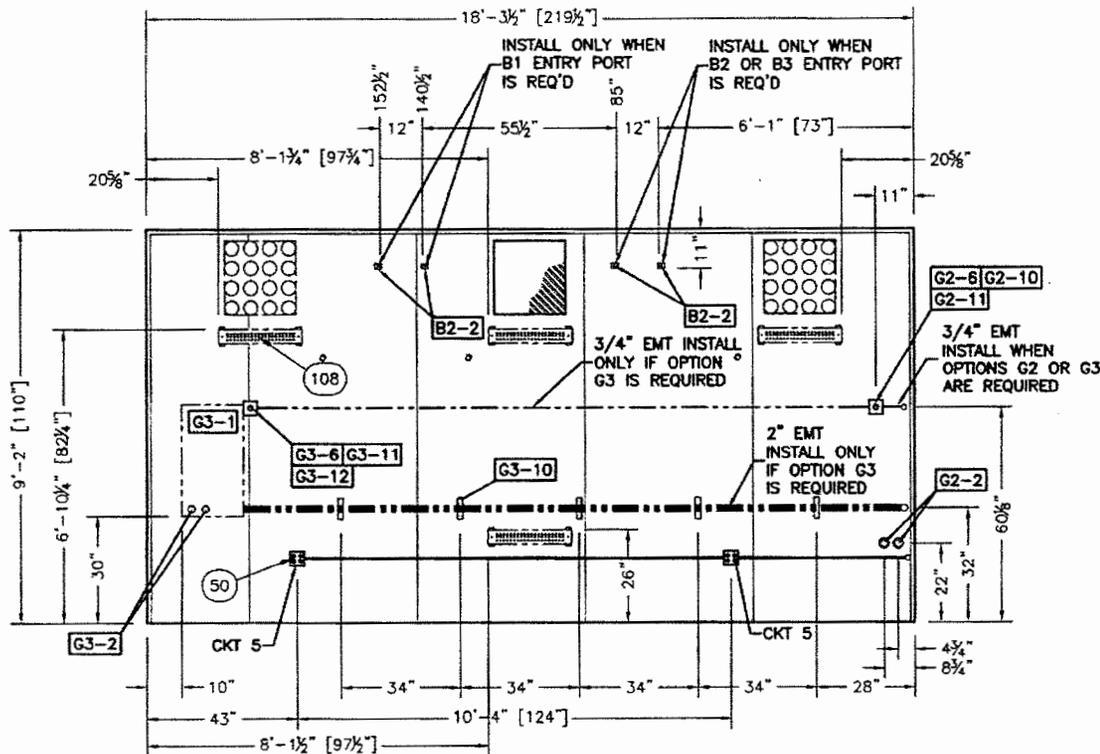
CUSTOMER:
U.S. CELLULAR

PROJECT:
**11'-3" X 19'-4"
 CONCRETE SHELTER
 REFLECTED CEILING VIEW
 ELECTRICAL**

FILENAME:
 SUS446/SUS446.dwg
 SCALE: 3/8" = 1'-0" TOLERANCE:
 DRWN. BY: L. STREBECK DATE: 5/25/06
 CHK. BY: G. BRANKMAN DATE: 5/25/06
 ENG. BY: S. LEGGETT DATE: 5/25/06
 APP. BY: S. LEGGETT DATE: 5/25/06

SHEET NO.
 3-0
 DRAWING NO.:
SUSA46

REV.	BY	DATE	DESCRIPTION	APP. BY	DATE
Q	JWR	8/7/08	REVISED W/G LOCATIONS	LD	8/7/08
M	JFA	2/12/08	CHANGED 1/2" 45° CONNECTOR TO STRAIGHT	GAB	2/12/08
J	LCS	10/30/07	REVISED DIMENSION PER MARK-UP SUS445-M-05	VGM	10/30/07
H	JFA	9/27/07	MOVED SMOKE ALARM INTO DIRECTION OF HVAC UNITS	GB	9/27/07
B	ALA	12/26/06	REVISED PER MARKUPS		12/26/06



INTERIOR ELEVATION "B"

Q	JWR	8/7/08	REVISED WS AND PENETRATION LOCATIONS	LD	8/7/08	
P	WWS	3/28/08	UPDATED TRANSFER SWITCH TO 430682	GAB	3/28/08	
N	JFA	2/12/08	ADDED OPTION H2 & H3	GAB	2/12/08	
M	GAB	01/25/08	ADDED OPTION H2	LD	01/25/08	
REV	BY	DATE	DESCRIPTION	APP	BY	DATE

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CUSTOMER:
U.S. CELLULAR

PROJECT:
11'-3" X 19'-4" CONCRETE SHELTER INTERIOR VIEW SIDE PANEL "B"

FILENAME:
 SUS446/SUS446.dwg

SCALE: 3/8" = 1'-0" TOLERANCE:

DRWN. BY: L. STREBECK DATE: 5/25/06

CHK. BY: G. BRINKMAN DATE: 5/25/06

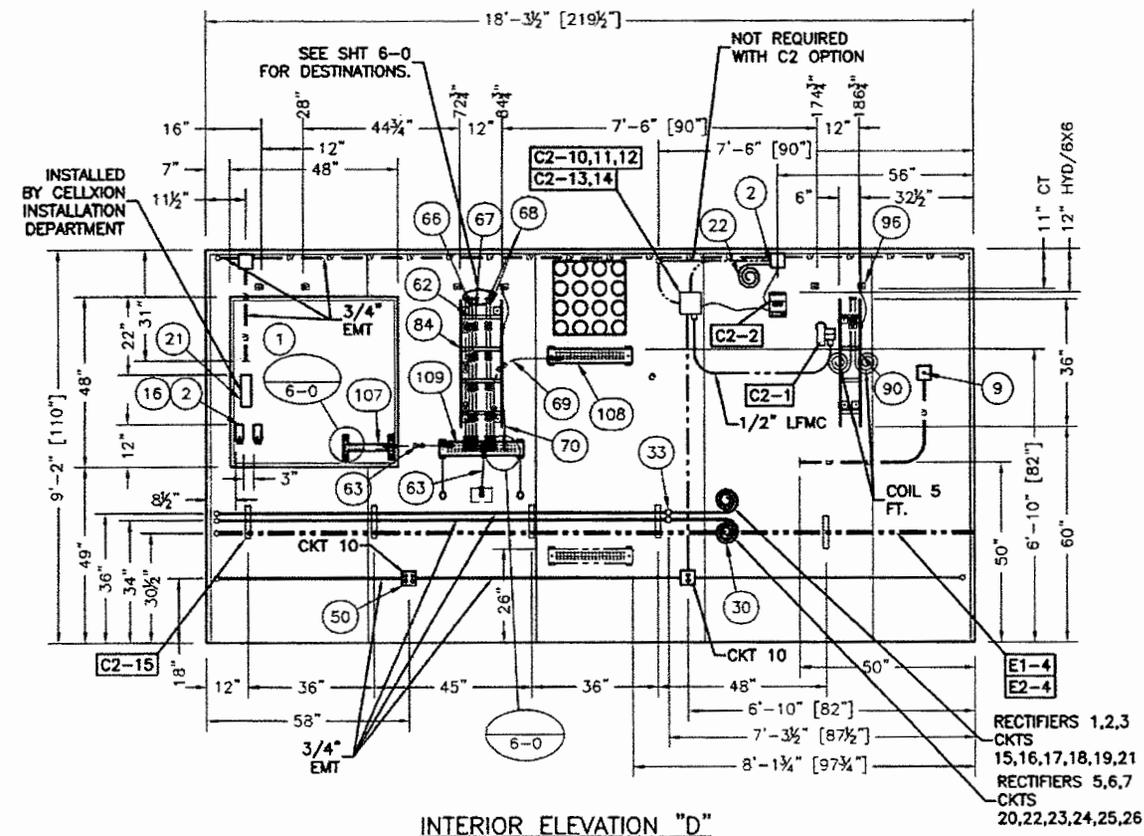
ENG. BY: DATE:

APP. BY: S. LEGGETT DATE: 5/25/06

SHEET NO. 4-1

DRAWING NO. **SUS446**

SUB-PARTS LIST							
ITEM	P/N	DESCRIPTION	CUT	ITEM	P/N	DESCRIPTION	CUT
62	400030	WIRE, #6 THIN, STRANDED, GREEN	228"	68	400048	WIRE, 2/0 THIN, STRANDED, GREEN	284"
63	400045	WIRE, 2/0 THIN, STRANDED, GREEN	12"	69	400045	WIRE, 2/0 THIN, STRANDED, GREEN	432"
66	400045	WIRE, 2/0 THIN, STRANDED, GREEN	248"	64	510000	CABLE LADDER, 12" X 4" X 1/2", 1/2	36"
67	400045	WIRE, 2/0 THIN, STRANDED, GREEN	228"	60	510001	CABLE LADDER, 6" X 4" X 1/2", 1/2	36"



INTERIOR ELEVATION "D"

RECTIFIERS 1,2,3
CKTS
15,16,17,18,19,21
RECTIFIERS 5,6,7
CKTS
20,22,23,24,25,26

REV	BY	DATE	DESCRIPTION	APP	BY	DATE
0	JWR	8/7/08	REVISED W/0 AND PENETRATION LOCATION	LD		8/7/08
1	JFA	12/12/08	REPLACED P/N# 410201 WITH 410207	GAB		12/12/08
2	M/GAB	01/25/09	REPLACED 1/2" CONNECTOR WITH 1/2" PLASTIC BUSHING	LD		01/25/09
3	JLCS	10/30/07	REVISED DIMENSION PER MARK-UP SJS446-H-05	VG4		10/30/07

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CUSTOMER:

U.S. CELLULAR

PROJECT:

11'-3" X 19'-4"
CONCRETE SHELTER
INTERIOR ELEVATION
SIDE PANEL "D"

FILENAME:

SJS446/SJS446.dwg

SCALE:

3/8" = 1'-0"

TOLERANCE:

DRWN. BY:

L. STREBECK

DATE:

5/25/06

CHK. BY:

C. BRINMAN

DATE:

5/25/06

ENG. BY:

S. LEGGETT

DATE:

5/25/06

SHEET NO.

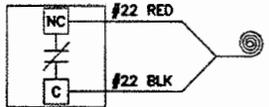
4-2

DRAWING NO.:

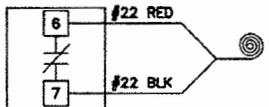
SUSA46

0

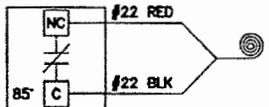
DOOR ALARM
 CONTACTS CLOSE UPON DOOR CLOSURE.
 WHEN DOOR IS OPENED, CONTACTS
 OPEN SENDING AN ALARM.



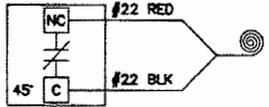
HVAC LOCKOUT ALARM
 WHEN HIGH OR LOW PRESSURE
 SWITCHES ACTIVATE, THE ALARM
 CONTACTS OPENS SENDING AN ALARM.



HIGH TEMPERATURE ALARM
 THE HIGH TEMPERATURE ALARM IS SET
 TO OPEN ON TEMPERATURE INCREASE
 OR RISE. SET POINT IS 85°.

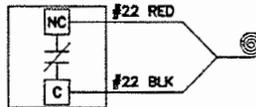


LOW TEMPERATURE ALARM
 THE LOW TEMPERATURE ALARM IS SET
 TO OPEN ON TEMPERATURE DECREASE
 OR FALL. SET POINT IS 45°.

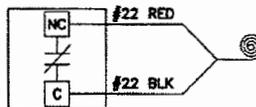


SEE NOTE 1

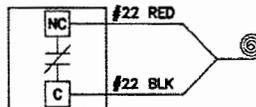
AC SURGE ARRESTOR ALARM
 CONTACTS WILL BE CLOSED IN NORMAL
 POWER CONDITIONS. SHOULD THE
 ELEMENTS FAIL, THE CONTACTS WILL
 OPEN SENDING AN ALARM.



SMOKE ALARM
 CONTACTS ARE CLOSED UNDER A "NO
 SMOKE" CONDITION. WHEN SMOKE IS
 DETECTED, THESE CONTACTS OPEN
 SENDING AN ALARM.

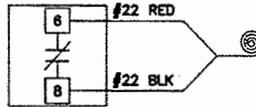


OPTIONAL HYDROGEN GAS ALARM
 WHEN H2 GAS LEVEL REACHES 1%
 CONTACTS CLOSE ACTIVATING EXHAUST
 FAN. WHEN H2 LEVEL REACHES 2%
 ALARM CONTACT OPEN, SENDING AN
 ALARM.



SEE NOTE 1

COMMERCIAL UTILITY POWER FAIL
 CONTACTS CLOSE UPON POWER UP OF
 THE SHELTER. WHEN UTILITY POWER IS
 LOSS, CONTACTS OPEN SENDING AN
 ALARM.



TOWER LIGHT CONTROLLER
 12 PAIR/CAT 3
 P/N 400029
 COIL 20"

NOTE:

1. PULL TO ALARM BLOCK.
 COIL AND TAG 3"-0" EXTRA

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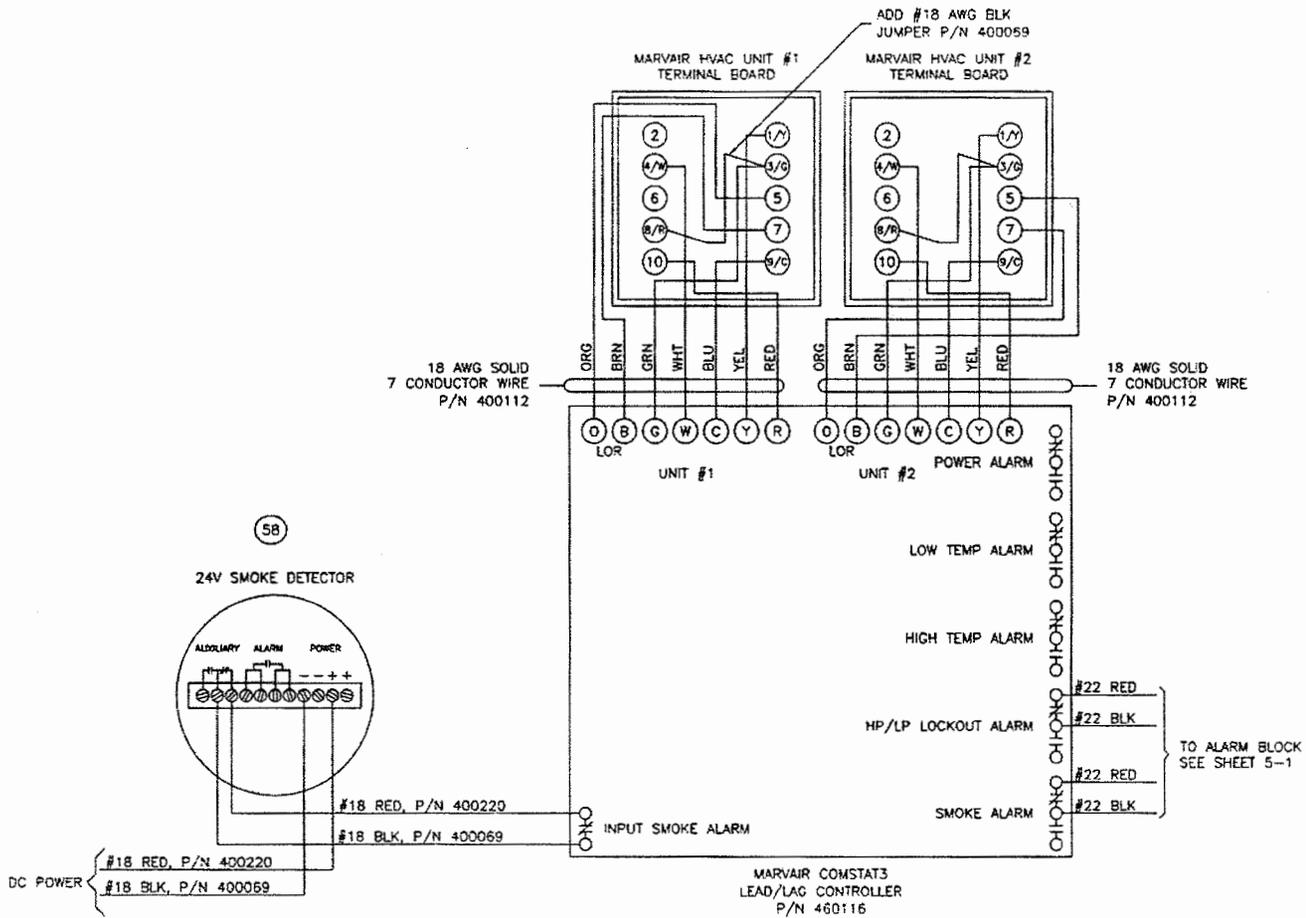
CUSTOMER:
U.S. CELLULAR

PROJECT:
 11'-3" X 19'-4"
**CONCRETE SHELTER
 LOW VOLTAGE
 SCHEMATIC**

FILENAME:
 SUS446/SUS446.dwg
 SCALE: N.T.S. TOLERANCE:
 DRWN. BY: L. STREBECK DATE: 5/25/06
 CHK. BY: C. BRINKMAN DATE: 5/25/06
 ENG. BY: DATE:
 APP. BY: S. LEGGETT DATE: 5/25/06
 SHEET NO.
 5-1

DRAWING NO.:
SUS446 0

REV. BY:	DATE:	DESCRIPTION:	APP. BY:	DATE:



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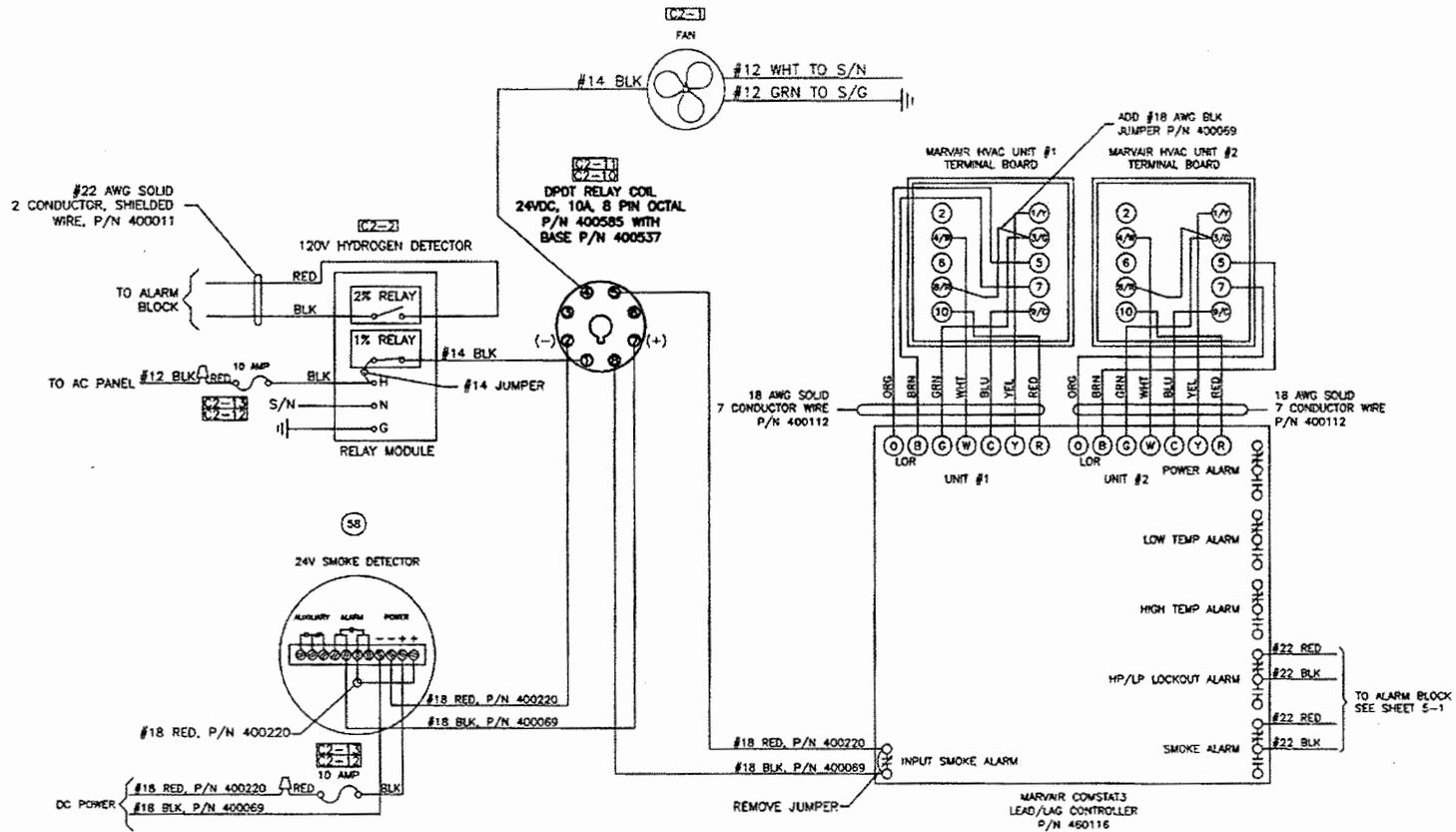
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 fax: (318) 213-2919
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CUSTOMER:
U.S. CELLULAR

PROJECT:
11'-3" X 19'-4" CONCRETE SHELTER HVAC WIRING SCHEMATIC

FILENAME: SUSA46/SUSA46.dwg	
SCALE: N.T.S.	TOLERANCE:
DRWN. BY: S. STREBECK	DATE: 5/25/06
CHK. BY: C. BRINKMAN	DATE: 5/25/06
ENG. BY:	DATE:
APP. BY: S. LEGGETT	DATE: 5/25/06
SHEET NO. 5-2	
DRAWING NO. SUSA46	0

B ALA 12/26/06 ADDED BUBBLES		12/26/06
REV. BY:	DATE:	APP. BY: DATE:



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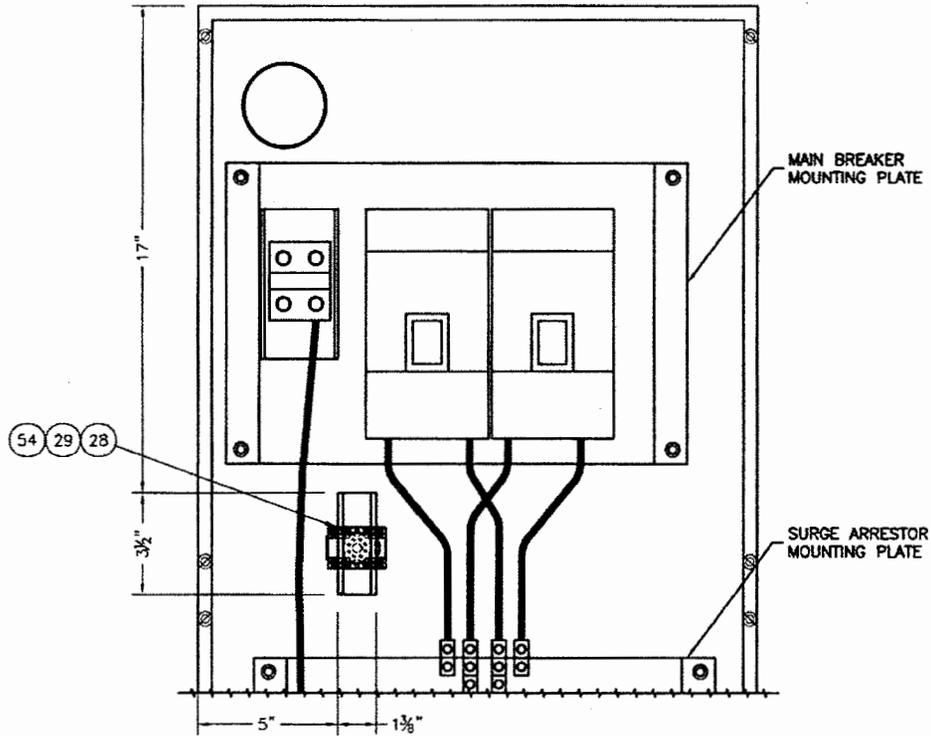
PROJECT:
 11'-3" X 19'-4"
 CONCRETE SHELTER
 OPTIONAL HVAC WIRING
 SCHEMATIC

FILENAME: SUS446/SUS446.dwg	TOLERANCE: N.T.S.
SCALE: N.T.S.	DATE: 5/25/06
DRWN. BY: L. STREBECK	DATE: 5/25/06
CHK. BY: G. BRINKMAN	DATE: 5/25/06
ENR. BY:	DATE:
APP. BY: S. LEGGETT	DATE: 5/25/06
SHEET NO. 5-3	

DRAWING NO.:
SUS446

REV.	BY	DATE	DESCRIPTION	APP. BY	DATE
P	WWS	3/28/06	REVISED SMOKE DETECTOR WIRING	GAB	3/28/06
M	GAB	01/31/06	ADDED WIRE NUTS & COLORS PER MARKUP	LD	01/31/06
F	VGH	05/14/07	ADDED SHEET TO SET	VGH	05/14/07

SUB-PARTS LIST			
ITEM	P/N	DESCRIPTION	CUT
54	430521	PANEL, DRN, AS, 30MM X 7.5MM X 17.5H	3 1/2"



**LOADCENTER
POWER FAIL RELAY
LAYOUT**

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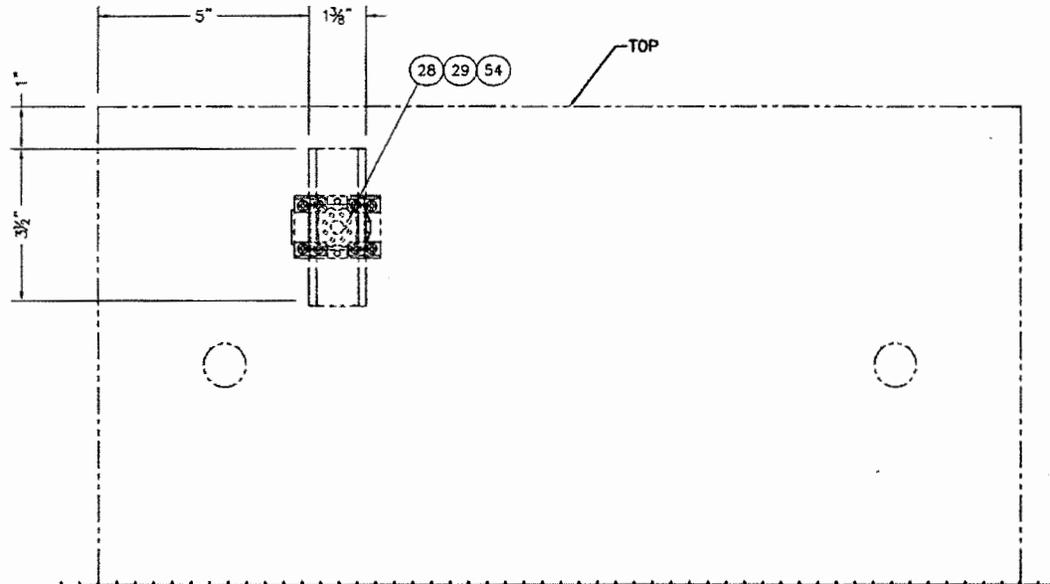
PROJECT:
 11'-3" X 19'-4"
 CONCRETE SHELTER
 POWER FAIL RELAY
 LAYOUT-LOADCENTER

FILENAME: SUS446/SUS446.dwg	
SCALE: 3"= 1'-0"	TOLERANCE:
DRWN. BY: L STREBECK	DATE: 5/25/06
CHK. BY: C BRINKMAN	DATE: 5/25/06
ENG. BY:	DATE:
APP. BY: S LEDGETT	DATE: 5/25/06
SHEET NO. 5-4	

DRAWING NO.:
SUS446 0

L	JFA	1/2/08	MARKUPS PER SUS446-K-01	CAB	1/2/08
H	JFA	09/21/07	ADDED SHEET TO SET	CAB	09/21/07
REV BY:	DATE	DESCRIPTION		APP BY:	DATE

SUB-PARTS LIST			
ITEM	P/N	DESCRIPTION	CUT
54	430521	RAIL, DR, AL, 32MM X 7.5MM X 17.5M	3 1/2"



TRANSFER SWITCH
POWER FAIL RELAY
LAYOUT - OPTION G2 & G3

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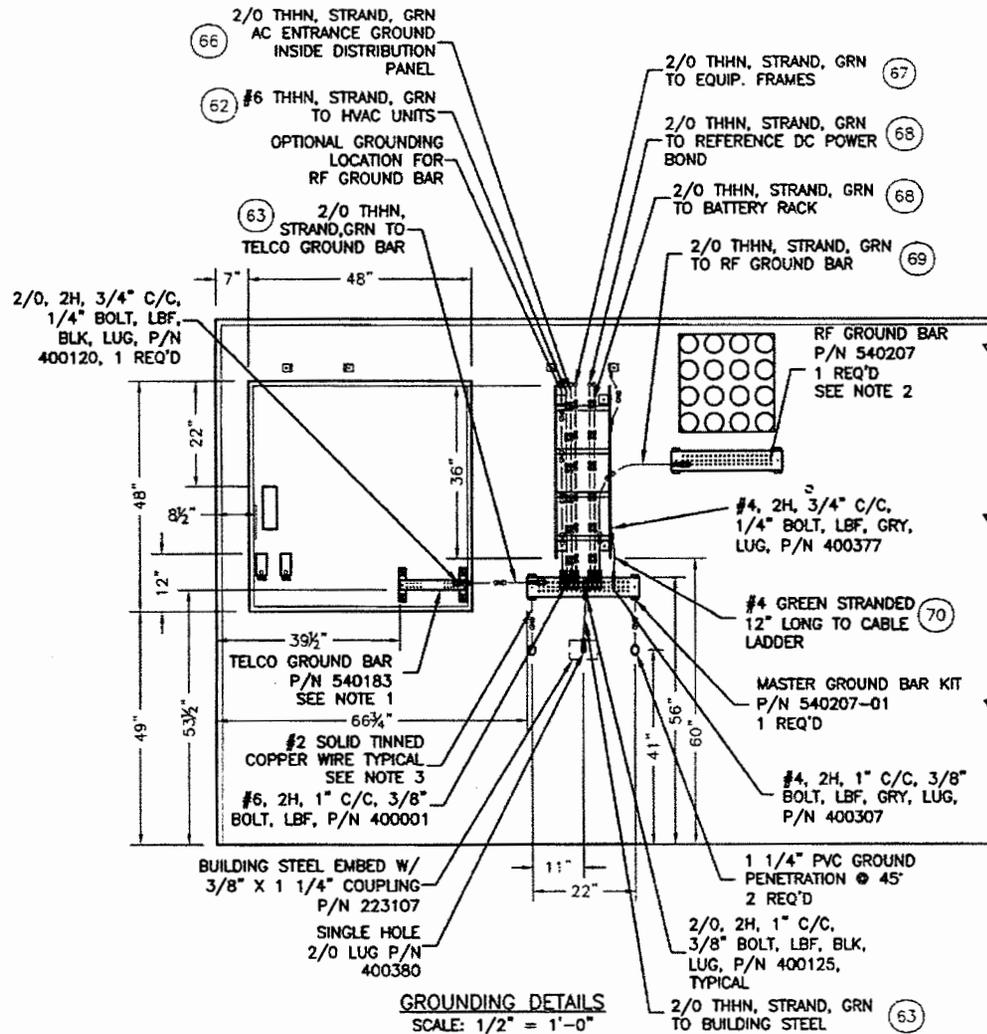
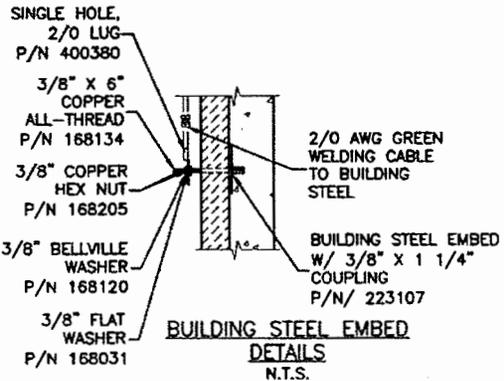
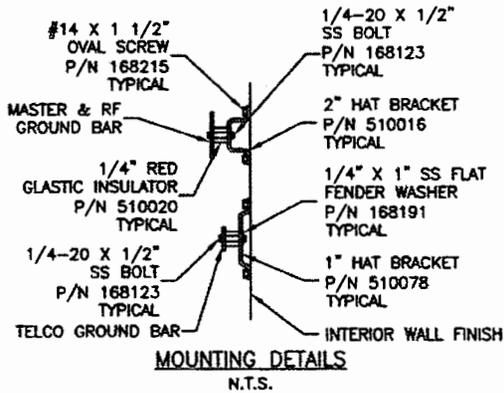
PROJECT:
 11'-3" X 19'-4"
 CONCRETE SHELTER
 POWER FAIL RELAY
 LAYOUT- XFER SWITCH

FILENAME: SUSA46/SUSA46.dwg	
SCALE: 3" = 1'-0"	TOLERANCE:
DRWN. BY: L STREBECK	DATE: 5/25/06
CHK. BY: G BROCKMAN	DATE: 5/25/06
ENG. BY:	DATE:
APP. BY: S LERGETT	DATE: 5/25/06
SHEET NO. 5-5	
DRAWING NO.:	
SUSA46	0

REV. BY	DATE	DESCRIPTION	APP. BY	DATE
M	GAB 01/31/08	ADDED SHEET TO SET	LD	01/31/08
L	JFA 1/2/08	MARKUPS PER SUSA46-K-01	GAB	1/2/08
H	JFA 09/21/07	ADDED SHEET TO SET	GAB	09/21/07

NOTES:

1. TELCO GROUND BAR TO BE LOCATED ON TELCO BOARD.
2. RF GROUND BAR TO BE LOCATED AT INSTALLED WAVEGUIDE ENTRY PORT.
3. MASTER GROUND BAR: #2 SOLID TINNED COPPER WIRE SHALL BE PULLED TO EXTERIOR OF SHELTER, COIL 10'-0". SECURE TO SHELTER FOR SHIPMENT.
4. ALL GROUND CONDUCTORS HAVE A 8" BEND RADIUS MINIMUM.



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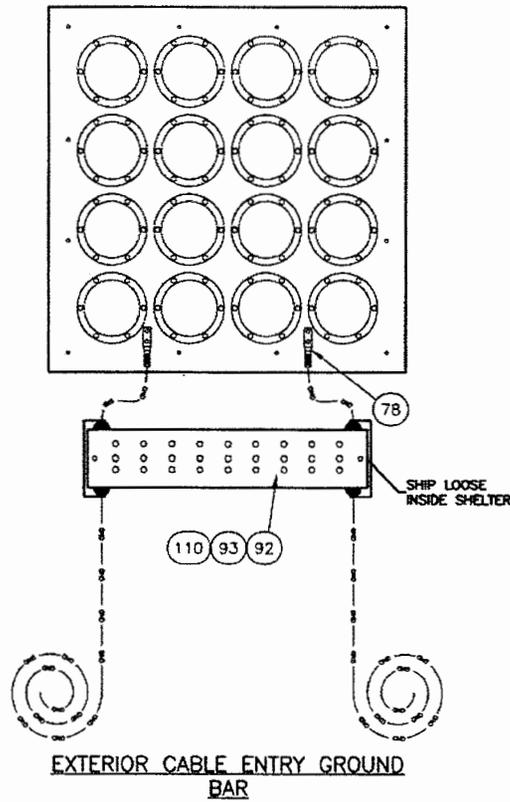
CUSTOMER:
U.S. CELLULAR

PROJECT:
11'-3" X 19'-4" CONCRETE SHELTER GROUND BAR LAYOUT

FILENAME: SUS446/SUS446.dwg	
SCALE:	TOLERANCE:
NOTED	
DRWN. BY: L. STREBECK	DATE: 5/25/06
CHK. BY: G. BRINKMAN	DATE: 5/25/06
ENG. BY:	DATE:
APP. BY: S. LEGGETT	DATE: 5/25/06
SHEET NO. 6-0	

DRAWING NO.:
SUS446

K	JU	11/29/07	MOVED STEEL EMBED PER MARK-UP	VGH	11/29/07
J	LCS	10/30/07	REV. DIM. TO CABLE TRAY PER MARK-UP SUS446-N-01	VGH	10/30/07
REV BY	DATE	DESCRIPTION		APP BY	DATE



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CUSTOMER:
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PROJECT:
11'-3" X 19'-4" CONCRETE SHELTER GROUND BAR DETAIL

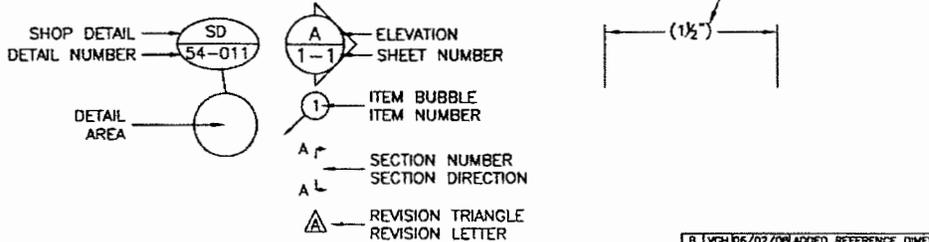
FILENAME: SUS446/SUS446.dwg	
SCALE: 1/8" = 1"	TOLERANCE:
DRWN. BY: L. STREBECK	DATE: 5/25/06
CHK. BY: C. BRINKMAN	DATE: 5/25/06
ENG. BY:	DATE:
APP. BY: S. LEGGETT	DATE: 5/25/06
SHEET NO. 6-7	
DRAWING NO.: SUS446	Q

B	LCS	2/9/07	REVISED PER MARK-UP SUS446-C-02	VCH	2/9/07
REV. BY	DATE	DESCRIPTION	APP. BY	DATE	

ABBREVIATIONS

A	AMPS	LV	LOW VOLTAGE
⊙	AT	MFG	MANUFACTURER
B/CW	BARE COPPER WIRE	MISC	MISCELLANEOUS
BLK	BLACK	NEG	NATIONAL ELECTRIC CODE
BLU	BLUE	NEG	NEGATIVE
BRN	BROWN	NEMA	NATIONAL ELECTRIC MANUFACTURER'S ASSOCIATION
BLDG	BUILDING	NOM	NOMINAL
BOCA	BUILDING OFFICIALS CODE ADMINISTRATION	NO	NORMALLY OPEN
CL	CENTERLINE	NC	NORMALLY CLOSED
C/C	CENTER TO CENTER	NTS	NOT TO SCALE
CR	CIRCUIT	OR	ORANGE
CONC	CONCRETE	OD	OUTSIDE DIAMETER/OUTSIDE DIMENSION
CU YD	CUBIC YARD	OSB	ORIENTED STRAND BOARD
DIA	DIAMETER	P	POLE
DIM	DIMENSION	PDC	POWER DISTRIBUTION CABINET
DP	DOUBLE POLE	POS	POSITIVE
DPDT	DOUBLE POLE DOUBLE THROW	LB	POUND (S)
DPST	DOUBLE POLE SINGLE THROW	PSF	POUNDS PER SQUARE FOOT
DT	DOUBLE THROW	PSI	POUNDS PER SQUARE INCH
DWG	DRAWING	QTY	QUANTITY
EA	EACH	RECPT	RECEPTACLE
EGR	EQUIPMENT GROUND RING	RECT	RECTIFIER
ELEC	ELECTRIC/ELECTRICAL	REBAR	REINFORCING STEEL BAR
EMT	ELECTRICAL METALLIC TUBING	REQ'D.	REQUIRED
ENT	ELECTRICAL NONMETALLIC TUBING	REV	REVISION
ELEV	ELEVATION	R	RIGHT
EQUIP	EQUIPMENT	RH	RIGHT HAND
EXT	EXTERIOR	SHT	SHEET
FMLC	FLEXIBLE METALLIC LIQUID TIGHT CONDUIT	1Ø	SINGLE PHASE
FNLG	FLEXIBLE NONMETALLIC LIQUID TIGHT CONDUIT	SPDT	SINGLE POLE DOUBLE THROW
FND	FOUNDATION	SPST	SINGLE POLE SINGLE THROW
FRP	FIBERGLASS REINFORCED POLYESTER	SW	SINGLE POLE SWITCH
FS	FIRE SUPPRESSION	SQ FT	SQUARE FEET
GALV	GALVANIZED	SQ IN	SQUARE INCH
GEN	GENERATOR	STD	STANDARD
GRN	GREEN	SBC	STANDARD BUILDING CODE
GND	GROUND	SW	SWITCH
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TEMP	TEMPERATURE
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING	TSTAT	THERMOSTAT
HOR	HORIZONTAL	3Ø	THREE PHASE
IAW	IN ACCORDANCE WITH	3P	THREE POLE
IN	INCH	3W	THREE WIRE
ID	INSIDE DIAMETER/INSIDE DIMENSION	TYP	TYPICAL
INSUL	INSULATION	UL	UNDERWRITERS LABORATORIES INC.
INT	INTERIOR	UBC	UNIFORM BUILDING CODE
IMC	INTERNATIONAL MECHANICAL CODE	UMC	UNIFORM MECHANICAL CODE
IPC	INTERNATIONAL PLUMBING CODE	VENT	VENTILATION
I	ISOLATED GROUND	V	VOLT
JB	JUNCTION BOX	W	WATTS
KW	KILOWATT	WP	WEATHER PROOF
KO	KNOCKOUT	WLD	WELDED
L	LEFT	WPF	WELDED WIRE FABRIC
LH	LEFT HAND	WHT	WHITE
LTG	LIGHT/LIGHTNING	W/O	WITHOUT
LL	LIVE LOAD	YEL	YELLOW

SYMBOLS



B	VGH	06/02/08	ADDED REFERENCE DIMENSION	VGH	06/02/08
A	CC	7/27/04	REVISED DETAIL SYMBOL	VGH	7/27/04
REV BY	DATE	DESCRIPTION		APP BY	DATE

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ENGINEERING STANDARD

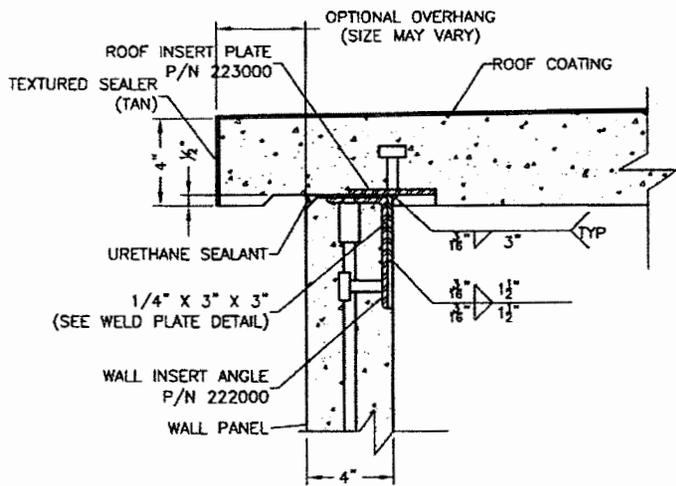
PROJECT:
ABBREVIATIONS AND SYMBOLS

FILENAME: 108-007		TOLERANCE: NA	
SCALE: 1"=1"	DRWN. BY: C.CASINGER	DATE: 12/4/03	CHK. BY: K.BARNETT
ENG. BY: K.BARNETT	DATE: 12/4/03	APP. BY:	DATE:

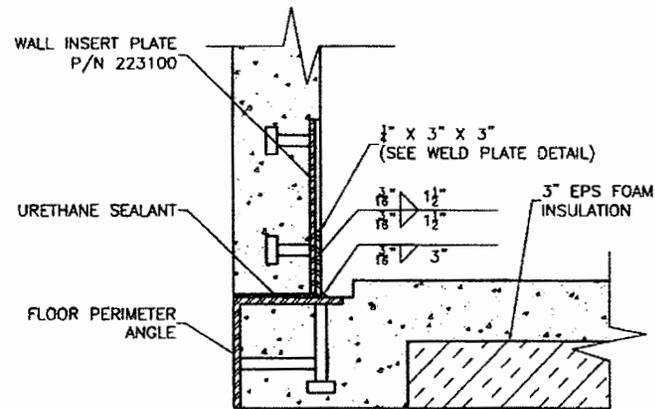
SHEET NO.
1 OF 1

DRAWING NO.:
108-007

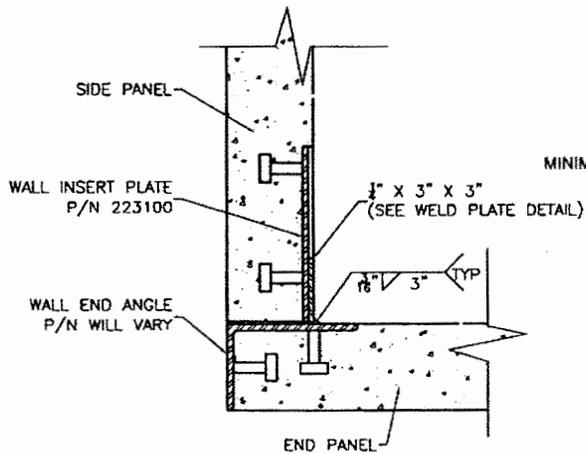
B



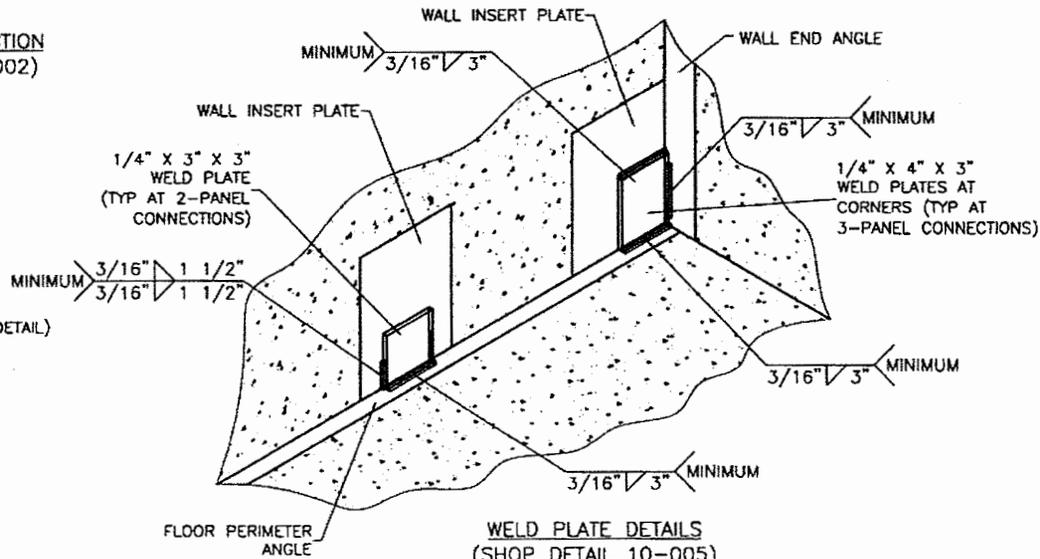
WALL/ROOF CONNECTION
(SHOP DETAIL 10-002)



WALL/FLOOR CONNECTION
(SHOP DETAIL 10-004)



WALL/WALL CONNECTION
(SHOP DETAIL 10-003)



WELD PLATE DETAILS
(SHOP DETAIL 10-005)

B	CC	8/5/05	CHG WELD PLATE DETAIL AT 3-PANEL CONNECTIONS	KB	8/5/05
A	CC	7/27/04	REMOVED PART REF.	KB	7/27/04
REV BY	DATE		DESCRIPTION	APP BY	DATE

ENGINEER SEAL

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Solutions for the Wireless Industry

Corporate Office & Manufacturing Facility
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Bossier City, LA 71111
www.cexion.com
(voice) 318-213-2800 (fax) 318-213-2819

CUSTOMER:
ENGINEERING STANDARD

PROJECT:
CONCRETE SHELTER
PANEL CONNECTION
DETAILS

FILENAME: 108-008	
SCALE: 3/16"=1"	TOLERANCE:
DRWN. BY: C.CASINGER	DATE: 4/5/04
CHK. BY: K. HASSELL	DATE: 4/5/04
ENG. BY: K. BARNETT	DATE: 4/5/04
APP. BY: J. MOOD	DATE: 4/5/04
SHEET NO./PART NO.: 1 OF 1	

DRAWING NO.:	REV:
108-008	B

NOTES:

1. CONDUCTOR COLORS ARE AS FOLLOWING:

120/240 SINGLE PHASE

PHASE "A" = BLACK
 PHASE "B" = RED
 NEUTRAL = WHITE

120/208 THREE PHASE

PHASE "A" = BLACK
 PHASE "B" = RED
 PHASE "C" = BLUE
 NEUTRAL = WHITE

277/480 THREE PHASE

PHASE "A" = YELLOW
 PHASE "B" = BROWN
 PHASE "C" = ORANGE
 NEUTRAL = GRAY

ALL ELECTRICAL GROUND = GREEN
 ALL ISOLATED GROUND = GREEN/YELLOW STRIPE
 ALL SWITCHED = PURPLE

2. ALL CONDUCTORS (UNLESS OTHERWISE NOTED) TO BE STRANDED THHN OR THWN COPPER WIRE.
3. ALL CONDUIT TO BE 1/2" EMT UNLESS OTHERWISE NOTED.
4. ALL LOW VOLTAGE CONDUIT TO BE 3/4" EMT UNLESS NOTED.
5. ALL CONDUCTOR AMPACITIES ARE BASED ON TABLE 310-16 NATIONAL ELECTRICAL CODE.
6. CONDUIT FILL BASED ON CHAPTER 9 - NATIONAL ELECTRICAL CODE.
7. PLACEMENT OF ELECTRICAL AND CONDUIT COMPONENTS MAY VARY TO ALIGN WITH COMPONENTS MANUFACTURE'S PRE-MADE KNOCKOUTS. THIS MAY INCLUDE ALIGNMENT WITH SHELTER PENETRATIONS AND/OR INTERFERENCE WITH OTHER COMPONENTS.
8. CONDUIT, ELECTRICAL AND MECHANICAL DIMENSION TOLERANCE SHALL BE ±1/4".
9. DASHED LINES (-----) DENOTE FIELD WORK.
10. ALL CIRCUITS ON 25 AMP THROUGH 60 AMP BREAKER MUST USE #10 GROUND.
11. CONDUCTORS SMALLER THAN 4 AWG MUST HAVE CORRECT COLOR INSULATION. CONDUCTORS 4 AWG AND LARGER MAY BE RE-IDENTIFIED BY COLORED TAPE. BLACK INSULATED CONDUCTOR SHALL BE THE ONLY COLOR TO BE RE-IDENTIFIED. IF CONDUCTORS ARE RE-IDENTIFIED, IDENTIFICATION MUST BE APPLIED IN THREE INCH (3") WRAPS, MINIMUM EVERY THREE FEET (3'-0"). RE-IDENTIFICATION SHALL BE VISIBLE BY OPENING ANY ENCLOSURE. WHITE, GRAY AND GREEN CONDUCTORS SHALL NOT BE RE-IDENTIFIED.
12. ALL METALLIC ELECTRICAL BOXES (SWITCH BOXES, DUPLEX BOXES, LIGHTS, JUNCTION BOXES, ETC) SHALL BE CONNECTED TO THE PROTECTED GROUND OF THE ACG DISTRIBUTION PANEL WITH A #12 GREEN INSULATED STRANDED CONDUCTOR WHICH SHALL BE RUN INTERNAL TO THE CONDUIT.

LEGEND

 = CONDUIT (THICKNESS VARIES WITH SIZE OF CONDUIT)

 = GROUND WIRE

 = 4 X 4 BOX WITH QUAD RECEPTACLE

 = 4 X 4 BOX WITH DUPLEX RECEPTACLE

 = 4 X 4 BOX WITH PENETRATION

 = 4 X 4 BOX BLANK

 = 4 X 4 BOX WITH 2 SWITCHES

 = 4 X 4 BOX WITH SINGLE SWITCH

 = 4" OCTAGON BOX WITH SMOKE DETECTOR

 = 4" OCTAGON BOX WITH HEAT DETECTOR

 = 4 X 4 BOX WITH TWIST-LOCK RECEPTACLE

 = 4 X 4 BOX WITH TIMER SWITCH

 = 4 X 4 BOX WITH HYDROGEN DETECTOR

 = PHOTOCCELL SWITCH

 = SYSTEM GROUND FOR AC CIRCUITS

 = ISOLATED GROUND FOR AC CIRCUITS

 = VENT FAN

 = MOTORIZED DAMPER

 = MOTION DETECTOR

F	VGH	07/18/07	REVISED NOTE 7 & 8	VGH	07/18/07
E	LCS	6/16/06	ADDED MOTION DETECTOR SYMBOL	VGH	6/16/06
D	VGH	07/18/05	REVISED NOTE 10, REMOVED THE WORD "CONDUCTOR"	VGH	07/18/05
C	CC	10/15/05	ADDED SYMBOLS	VGH	10/15/05
B	VGH	4/3/05	REVISED NOTE #10	VGH	4/3/05
A	CC	2/25/05	ADDED SYMBOLS CHG CONDUIT TO 1/2" IN NOTE 3	KB	2/25/05
REV BY	DATE	DESCRIPTION		APP BY	DATE

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CUSTOMER:
ENGINEERING STANDARD

PROJECT:
GENERAL ELECTRICAL NOTES AND LEGEND

FILENAME: 108-015	
SCALE 1"=1"	TOLERANCE
DRWN BY: C.CASINGER	DATE 7/28/04
CHK BY:	DATE
ENG BY: K. BARNETT	DATE 7/28/04
APP BY:	DATE

SHEET NO
 1 OF 1
 DRAWING NO.
 108-015

GENERAL NOTES

1. ALL STEEL FABRICATION AND INSTALLATION SHALL BE DONE IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL AISC LRFD(1999) AND AWS D1.1 SPECIFICATIONS.
2. ALL WELDING SHALL BE MIG TYPE WITH THE FOLLOWING OPERATING SETTINGS:

WIRE SIZE -----	0.35
WIRE FEED SPEED (in/min) -----	5
VOLTAGE, DC (+) -----	18.5
AMPERAGE, DC -----	140
TRAVEL SPEED (in/min) -----	10-12
SHIELDING GAS -----	75/25
3. STRUCTURAL STEEL SPECIFICATIONS:
 STRUCTURAL SHAPES ASTM A36M-97a
 HIGH STRENGTH BOLTS, ASTM A 307-97
 OTHER BOLTS, SAE J429 GRADE 5
4. ALL CONCRETE WORK SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE A.C.I. 318-89 BUILDING CODES 311 & 211, AND ASTM STANDARDS C-172-97, C-31/31M96, C-39-96, AND PROVISIONS OF C-94-98.
5. ALL PRECAST STRUCTURAL SAND-LIGHTWEIGHT CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS.
6. ALL REINFORCING STEEL BARS SHALL BE DOMESTIC, NEW BILLET STEEL CONFORMING TO ASTM A-615m-96a SPECIFICATIONS.
7. CONCRETE COVERAGE OVER ALL REINFORCING STEEL SHALL BE A MINIMUM OF 3/4".
8. ALL REBAR SHALL BE TIED 100% AT THE PERIMETER, AND 50% ELSEWHERE.
9. ALL REBAR WIRE TIES TO BE 16 GAUGE.
10. FIBROUS REINFORCED LIGHTWEIGHT CONCRETE MAY BE USED IN THE ROOF AND FLOOR AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS. FIBER REINFORCEMENT MAY BE USED IN THE FLOOR IF DESIRED IN ORDER TO MAKE BATCHING OPERATION MORE EFFICIENT.
11. MAXIMUM JOINT SPACE BETWEEN PANELS SHALL BE 3/8" MEASURED BY REFUSAL OF ABILITY TO PASS A 3/8" ROD ALL THE WAY THROUGH THE JOINT AT ANY POINT ALONG THE JOINT.
12. WELD PLATE CONNECTIONS SHALL BE SPACED AT 4'-8" MAXIMUM ON THE FLOOR AND ROOF PANELS. THIS DIMENSION SHALL BE MAINTAINED EXCEPT IN CASES WHERE OPENINGS PROHIBIT.
13. TOLERANCES SHALL BE AS FOLLOWS:
 PANEL THICKNESS: ±1/8"
 PANEL SIZE: ±1/16"
 PANEL SQUARENESS: ±1/8" AGREEMENT DN DIAGONALS
 LOCATION OF BLOCKOUTS & PVC'S: ±1/4"
 BLOCKOUT DIMENSIONS: +1/4", -0"
 PVC SIZE: USE TRADE SIZE AS LISTED ON PROJECT DRAWINGS
14. REBAR SPLICING IS ALLOWED WHERE SPACE PERMITS. MINIMUM LAP IS 18" FOR #4 REBAR AND 30" FOR #6 REBAR.
15. CONCRETE SHALL HAVE AIR ENTRAINMENT OF 6%, MODERATE EXPOSURE AND A MAXIMUM AGGREGATE SIZE OF 3/8 INCH.
16. CONCRETE SHALL HAVE A WATER-CEMENTITIOUS MATERIAL RATIO OF 0.50.

GENERAL: THESE REBAR SIZES AND SPACING REPRESENT THE MINIMUM AMOUNT FOR ALL CASTING PLANS. PROJECT DRAWINGS MAY REQUIRE REINFORCEMENT IN ADDITION TO CELLXION STANDARDS.

ROOF PANEL: #4 (SHORT AXIS) 12" O.C. ON SHELTER WIDTH OF 11'-8" AND LESS, 10" O.C. ON SHELTER WIDTH GREATER THAN 11'-6" AND #4 (LONG AXIS) AT 18" O.C.

WALL PANEL: #4 AT PERIMETER AND 4 X 4 X W4.5 X W4.5 MESH THROUGHOUT.

FLOOR: (2)-#6 (SHORT AXIS) EACH RIB, #6 (LONG AXIS) EACH INTERIOR RIB. DECK: 4 X 4 X W4.5 X W4.5 MESH.

SEALANT APPLICATION

- STEP 1. AT MATING SURFACES BETWEEN PANELS, APPLY URETHANE SEALANT (1/2" BEAD) DURING ASSEMBLY.
- STEP 2. URETHANE SEALANT REQUIRED ON ALL JOINTS. APPLY TO EXTERIOR AFTER PANEL ASSEMBLY.
- STEP 3. ROOF COATING:
 APPLY SHELTER ROOF COATING PER MANUFACTURER INSTRUCTION. ROOF COATING TO CONFORM TO OBC 1507.15.2 & 2000 IBC 1507.15.2.
- STEP 4. APPLY AGGREGATE SEALER TO EXTERIOR WALLS. USE 1 GALLON PER 200 SQ. FEET.
- STEP 5. USE TEXTURED SEALER ON ALL SMOOTH EXPOSED SURFACES. USE CEMENTITIOUS GRAY PAINT.

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CUSTOMER:
ENGINEERING STANDARD

PROJECT:
GENERAL CASTING SPECIFICATIONS 2000 IBC

FILENAME: 108-016	
SCALE: 1"=1'	TOLERANCE:
DRWN. BY: C.CASINGER	DATE: 7/28/04
CHK. BY:	DATE:
ENG. BY:	DATE:
APP. BY:	DATE:
SHEET NO. 1 OF 3	
DRAWING NO.: 108-016	J

REV	BY	DATE	DESCRIPTION	APP. BY	DATE
J	WGC	11/28/28	REVISED GENERAL NOTES PER J. IRVING MARK-UPS	VGH	11/28/07
G	LD	9/18/07	ADDED ANOTHER SHEET FOR 2003 IBC	VGH	9/18/07
F	LD	8/8/07	REVISED PER J. IRVING MARKUPS	VGH	8/8/07
E	VGH	06/18/07	ADDED NOTE 15 & 16	VGH	06/18/07

GENERAL NOTES

1. ALL STEEL FABRICATION AND INSTALLATION SHALL BE DONE IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL AISC LRFD(1999) AND AWS D1.1 SPECIFICATIONS.
2. ALL WELDING SHALL BE MIG TYPE WITH THE FOLLOWING OPERATING SETTINGS:

WIRE SIZE -----	0.35
WIRE FEED SPEED (in/min) -----	5
VOLTAGE, DC (+) -----	18.5
AMPERAGE, DC -----	140
TRAVEL SPEED (in/min) -----	10-12
SHIELDING GAS -----	75/25
3. STRUCTURAL STEEL SPECIFICATIONS:
 - STRUCTURAL SHAPES ASTM A36/A 36M-00
 - HIGH STRENGTH BOLTS, ASTM A 307-00
 - OTHER BOLTS, SAE J429 GRADE 5
4. ALL CONCRETE WORK SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE A.C.I. 318-02 BUILDING CODES 311 & 211, AND ASTM STANDARDS C-172-99, C-31/C31M98, C-39-99a1, AND PROVISIONS OF C-94/C94M-00.
5. ALL PRECAST STRUCTURAL SAND-LIGHTWEIGHT CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS.
6. ALL REINFORCING STEEL BARS SHALL BE DOMESTIC, NEW BILLET STEEL CONFORMING TO ASTM A 615M-00 SPECIFICATIONS.
7. CONCRETE COVERAGE OVER ALL REINFORCING STEEL SHALL BE A MINIMUM OF 3/4".
8. ALL REBAR SHALL BE TIED 100% AT THE PERIMETER, AND 50% ELSEWHERE.
9. ALL REBAR WIRE TIES TO BE 16 GAUGE.
10. FIBROUS REINFORCED LIGHTWEIGHT CONCRETE MAY BE USED IN THE ROOF AND FLOOR AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS. FIBER REINFORCEMENT MAY BE USED IN THE FLOOR IF DESIRED IN ORDER TO MAKE BATCHING OPERATION MORE EFFICIENT.
11. MAXIMUM JOINT SPACE BETWEEN PANELS SHALL BE 3/8" MEASURED BY REFUSAL OF ABILITY TO PASS A 3/8" ROD ALL THE WAY THROUGH THE JOINT AT ANY POINT ALONG THE JOINT.
12. WELD PLATE CONNECTIONS SHALL BE SPACED AT 4'-8" MAXIMUM ON THE FLOOR AND ROOF PANELS. THIS DIMENSION SHALL BE MAINTAINED EXCEPT IN CASES WHERE OPENINGS PROHIBIT.
13. TOLERANCES SHALL BE AS FOLLOWS:
 - PANEL THICKNESS: $\pm 1/8"$
 - PANEL SIZE: $\pm 1/16"$
 - PANEL SQUARENESS: $\pm 1/8"$ AGREEMENT ON DIAGONALS
 - LOCATION OF BLOCKOUTS & PVC'S: $\pm 1/4"$
 - BLOCKOUT DIMENSIONS: $+1/4"$, $-0"$
 - PVC SIZE: USE TRADE SIZE AS LISTED ON PROJECT DRAWINGS
14. REBAR SPlicing IS ALLOWED WHERE SPACE PERMITS. MINIMUM LAP IS 18" FOR #4 REBAR AND 30" FOR #6 REBAR.
15. CONCRETE SHALL HAVE AIR ENTRAINMENT OF 6%, MODERATE EXPOSURE AND A MAXIMUM AGGREGATE SIZE OF 3/8 INCH.
16. CONCRETE SHALL HAVE A WATER-CEMENTITIOUS MATERIAL RATIO OF 0.50.

GENERAL: THESE REBAR SIZES AND SPACING REPRESENT THE MINIMUM AMOUNT FOR ALL CASTING PLANS. PROJECT DRAWINGS MAY REQUIRE REINFORCEMENT IN ADDITION TO CELLXION STANDARDS.

ROOF PANEL: #4 (SHORT AXIS) 12" O.C. ON SHELTER WIDTH OF 11'-6" AND LESS, 10" O.C. ON SHELTER WIDTH GREATER THAN 11'-6" AND #4 (LONG AXIS) AT 18" O.C.

WALL PANEL: #4 AT PERIMETER AND 4 X 4 X W4.5 X W4.5 MESH THROUGHOUT.

FLOOR: (2)-#6 (SHORT AXIS) EACH RIB, #6 (LONG AXIS) EACH INTERIOR RIB. DECK: 4 X 4 X W4.5 X W4.5 MESH.

SEALANT APPLICATION

- STEP 1. AT MATING SURFACES BETWEEN PANELS, APPLY URETHANE SEALANT (2" BEAD) DURING ASSEMBLY.
- STEP 2. URETHANE SEALANT REQUIRED ON ALL JOINTS. APPLY TO EXTERIOR AFTER PANEL ASSEMBLY.
- STEP 3. ROOF COATING:
APPLY SHELTER ROOF COATING PER MANUFACTURER INSTRUCTION. ROOF COATING TO CONFORM TO OBC 1507.15.2 & 2003 IBC 1507.15.2.
- STEP 4. APPLY AGGREGATE SEALER TO EXTERIOR WALLS. USE 1 GALLON PER 200 SQ. FEET.
- STEP 5. USE TEXTURED SEALER ON ALL SMOOTH EXPOSED SURFACES. USE CEMENTITIOUS GRAY PAINT.

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CUSTOMER:

ENGINEERING STANDARD

PROJECT:
GENERAL CASTING
SPECIFICATIONS
2003 IBC

FILENAME: 108-016	
SCALE: 1"=1'	TOLERANCE:
DRWN. BY: L. DROZDZ	DATE: 9/17/07
CHK. BY:	DATE:
ENG. BY:	DATE:
APP. BY:	DATE:
SHEET NO. 2 OF 3	
DRAWING NO. 108-016	H

J WGC 11/28/06 REVISED GENERAL NOTES PER J. BRYING MARK-UPS	YGH 11/28/07
REV. BY DATE	DESCRIPTION APP. BY DATE

GENERAL NOTES

- ALL STEEL FABRICATION AND INSTALLATION SHALL BE DONE IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL AISC 360-05 AND AWS D1.1-04 SPECIFICATIONS.
- ALL WELDING SHALL BE MIG TYPE WITH THE FOLLOWING OPERATING SETTINGS:

WIRE SIZE -----	0.35
WIRE FEED SPEED (in/min) -----	5
VOLTAGE, DC (+) -----	18.5
AMPERAGE, DC -----	140
TRAVEL SPEED (in/min) -----	10-12
SHIELDING GAS -----	75/25
- STRUCTURAL STEEL SPECIFICATIONS:
STRUCTURAL SHAPES ASTM A36/A 36M-04a
HIGH STRENGTH BOLTS, ASTM A 307-03
OTHER BOLTS, SAE J429 GRADE 5
- ALL CONCRETE WORK SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE A.C.I. 318-05 BUILDING CODES 311 & 211, AND ASTM STANDARDS C-172-04, C-31/C31M98, C-39-05e1, AND PROVISIONS OF C-94/C94M-04.
- ALL PRECAST STRUCTURAL SAND-LIGHTWEIGHT CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS.
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LOCATION OF BLOCKOUTS & PVC'S: $\pm 1/4"$
BLOCKOUT DIMENSIONS: $+1/4", -0"$
PVC SIZE: USE TRADE SIZE AS LISTED ON PROJECT DRAWINGS
- REBAR SPLICING IS ALLOWED WHERE SPACE PERMITS. MINIMUM LAP IS 18" FOR #4 REBAR AND 30" FOR #6 REBAR.
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- CONCRETE SHALL HAVE A WATER-CEMENTITIOUS MATERIAL RATIO OF 0.50.

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- WALL PANEL: #4 AT PERIMETER AND 4 X 4 X W4.5 X W4.5 MESH THROUGHOUT.
- FLOOR: (2)-#6 (SHORT AXIS) EACH RIB, #6 (LONG AXIS) EACH INTERIOR RIB. DECK: 4 X 4 X W4.5 X W4.5 MESH.

SEALANT APPLICATION

- AT MATING SURFACES BETWEEN PANELS, APPLY URETHANE SEALANT (2" BEAD) DURING ASSEMBLY.
- URETHANE SEALANT REQUIRED ON ALL JOINTS. APPLY TO EXTERIOR AFTER PANEL ASSEMBLY.
- ROOF COATING:
APPLY SHELTER ROOF COATING PER MANUFACTURER INSTRUCTION. ROOF COATING TO CONFORM TO OBC 1507.15.2 & 2006 IBC 1507.15.2.
- APPLY AGGREGATE SEALER TO EXTERIOR WALLS. USE 1 GALLON PER 200 SQ. FEET.
- USE TEXTURED SEALER ON ALL SMOOTH EXPOSED SURFACES. USE CEMENTITIOUS GRAY PAINT.

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CUSTOMER:
ENGINEERING STANDARD

PROJECT:
GENERAL CASTING SPECIFICATIONS
2006 IBC

FILENAME: 108-016	
SCALE: 1"=1'	TOLERANCE:
DRWN. BY: L. DROZDZ	DATE: 10/11/07
CHK. BY:	DATE:
ENG. BY:	DATE:
APP. BY:	DATE:
SHEET NO. 3 OF 3	
DRAWING NO. 108-016	H

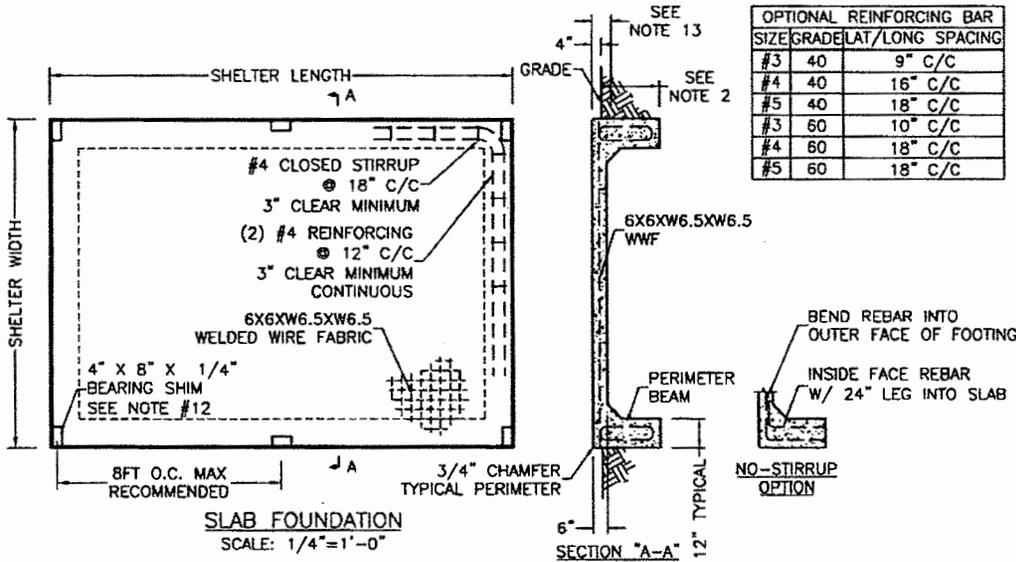
J WGG 11/25/28	REVISED GENERAL NOTES PER J. IRVING MARK-UPS	VGH 11/25/07
REV BY	DATE	DESCRIPTION
		APP BY DATE

8	CC	8/24/05	ADDED NOTE #14	KB	8/24/05
REV. BY	DATE		DESCRIPTION	APP. BY	DATE

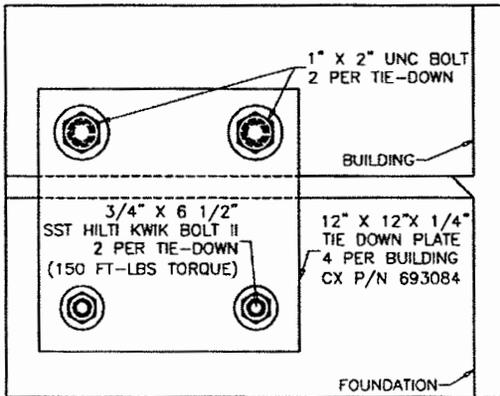
NOTES:

1. WELDED WIRE FABRIC OR OPTIONAL REINFORCING BAR MAY BE USED AS AVAILABLE. SEE CHART FOR SIZE, GRADE, AND SPACING OF REBAR.
2. BOTTOM OF FOOTING TO BE 24" MINIMUM, OR 6" BELOW LOCAL FROST LINE, OR TO 2000 PSF SOIL BEARING CAPACITY, WHICHEVER IS GREATER.
3. USE OF THIS DESIGN REQUIRES VERIFICATION OF SOIL BEARING CAPACITY.
4. SLAB TOLERANCE IS $\pm 1/4"$
5. ADDITIONAL ENGINEERING REVIEW IS REQUIRED IF THE SHELTER FOUNDATION IS PLACED ON SOIL WITH A BEARING CAPACITY LESS THAN 2000 PSF.
6. ALL REBAR TO BE GRADE 40 MINIMUM UNLESS OTHERWISE SPECIFIED.
7. W6.5 AS SPECIFIED FOR THE WWF HAS 0.288" DIAMETER.
8. WWF IS 60 KSI MINIMUM.
9. OVERLAP SPLICES ARE ALLOWED FOR REINFORCING BAR, USE 18" MINIMUM LAP.
10. ALL REQUIRED TIE DOWN PLATES, SHIMS, BOLTS AND ANCHORS SHALL BE PLACED INSIDE SHELTER PRIOR TO SHIPMENT FROM MANUFACTURER
11. CONCRETE STRENGTH, $F_c' = 3000$ PSI @ 28 DAYS.
12. USE SHIMS AS REQUIRED TO ASSURE SHELTER IS BEARING AT PERIMETER. SEAL PERIMETER W/ GROUT IF SHIMS ARE USED.
13. TOP 8" OF FOUNDATION SIDES MUST BE FORMED FLAT TO ACCEPT TIE-DOWN PLATES.
14. REBAR TO BE GROUND W/ SOLID COPPER WIRE, #4 MIN. ONE LOCATION MIN, DEFAULT TO BE AT ELECTRICAL SERVICE ENTRY LOCATION. QTY, SIZE, & LOCATION(S) MAY VARY AS SPECIFIED BY CUSTOMER. PIGTAIL(S) TO BE MADE ACCESSIBLE FOR BONDING TO SERVICE GROUND.

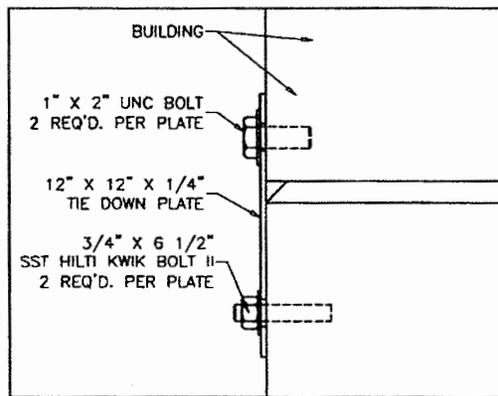
SIZE	GRADE	LAT/LONG SPACING
#3	40	9" C/C
#4	40	16" C/C
#5	40	18" C/C
#3	60	10" C/C
#4	60	18" C/C
#5	60	18" C/C



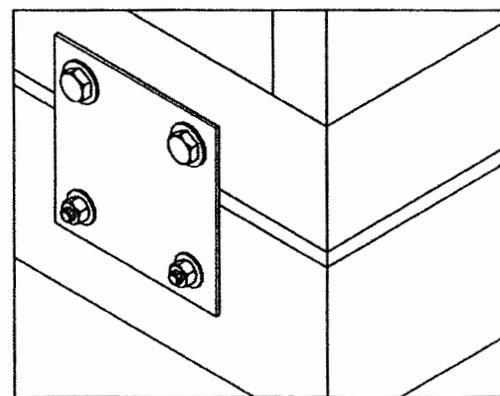
SLAB FOUNDATION
SCALE: 1/4" = 1'-0"



CONNECTION DETAIL FRONT
SCALE: 3/16" = 1"



CONNECTION DETAIL SIDE
SCALE: 3/16" = 1"



CONNECTION DETAIL ISOMETRIC
SCALE: 3/16" = 1"

ENGINEER SEAL

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Solutions for the Wireless Industry

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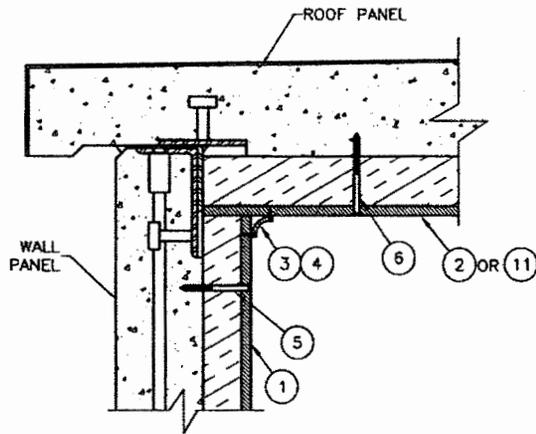
CUSTOMER:
ENGINEERING STANDARD

PROJECT:
HIGH SEISMIC
6" SLAB
FOUNDATION PLAN
(FLAT TIEDOWN)

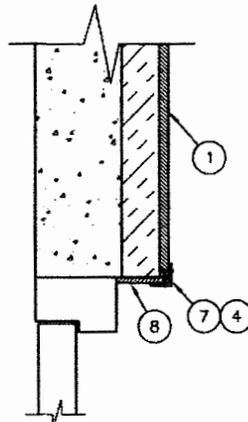
FILENAME: 108-020	TOLERANCE: $\pm 1/4"$
SCALE: NOTED	DATE: 12/23/04
DRWN. BY: C. CASINGER	DATE: 12/23/04
CHK. BY: V. HASSELL	DATE: 12/23/04
ENG. BY: K. BARNETT	DATE: 12/23/04
APP. BY: J. HOOD	DATE: 12/23/04
SHEET NO./PART NO.: 1 OF 1	

DRAWING NO.:
108-020

REV:
B



WALL/ROOF SECTION

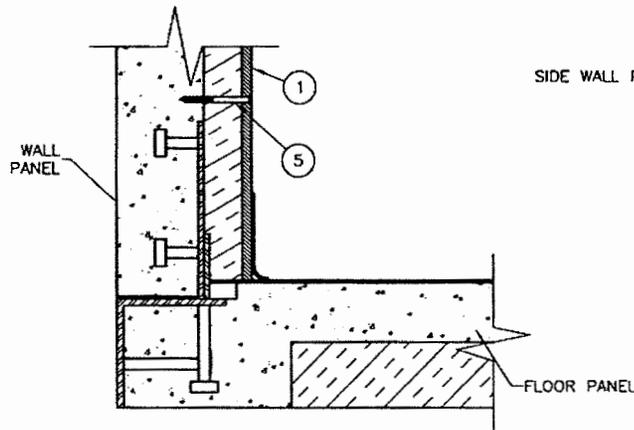


TYP DOOR SECTION TRIM DETAIL

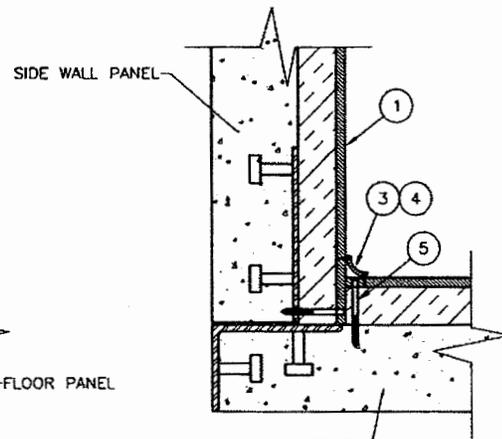
Parts List				
ITEM	U/M	P/N	DESCRIPTION	
1	EA.	300032	INSULATION,1.75"RMAX TSX,48"X110"	
2	EA.	300033	INSULATION,2.25"RMAX TSX,48"X144"	
3	EA.	320002	TRIM,COVE,VINYL,10'0",WHITE	
4	EA.	168006	BRAD,WHITE 3/4",44241	
5	EA.	168293	SCREW,CONCRETE,3/16"X3 1/4"	
6	EA.	168294	SCREW,CONCRETE,3/16"X3 3/4"	
7	EA.	320020	TRIM,CORNER,WOOD,1-3/8"X1-3/8",OUTSI	
8	EA.	300028	PANELING,POLY.OSG,W/3/8"OSB,4'X9'1"	
9	EA.	320023	TRIM,FRP,VINYL,10'0",WHITE,2 PCS,2"	
10	EA.	320024	TRIM,FRP,VINYL,12'0",WHITE,2 PCS,2"	
11	EA.	300036	INSULATION,2.25"RMAX TSX,48"X113"	

NOTES:

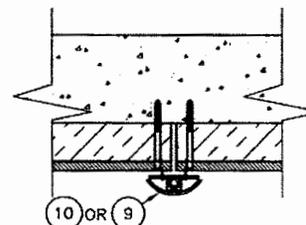
1. INSTALL INTERIOR PANELS W/ TAPCONS (LENGTH MAY VARY) 24" O.C. MAX ALONG LENGTH OF PANELS. (NO FASTENERS REQUIRED ALONG SHORT SIDE OF PANELS IF PANEL EDGE IS AT A CORNER)
2. MAX GAP BETWEEN PANELS TO BE 1/4"
3. USE COVE TRIM IN ALL CORNERS AND AROUND TOP PERIMETER. INSTALL USING 3/4" BRAD NAILS.
4. TRIM ALL EXPOSED OPENINGS W/ OUTSIDE CORNER TRIM.
5. USE 10 FT TRIM, P/N 320023 FOR JOINT LENGTHS 10FT AND UNDER, USE P/N 320024 FOR JOINT LENGTHS OVER 10FT.



WALL/FLOOR SECTION



END WALL PANEL WALL/WALL SECTION



JOINT DETAIL PLAN VIEW SECTION

A	CC	10/11/05	CHG TITLE TO BE 9'-6" AND UNDER WALL HEIGHT	VGH	10/11/05
REV BY	DATE		DESCRIPTION	APP BY	DATE

ENGINEER SEAL

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Bossier City, LA 71111
(voice) 318-213-2900 (fax) 318-213-2819
www.cellixion.com

CUSTOMER:

ENGINEERING STANDARD

PROJECT:
CONCRETE SHELTER
INT. PANELING INSTALL
(1) LAYER
WALLS <= 9'-6"

FILENAME: 108-035	
SCALE: 3/16"=1"	TOLERANCE:
DRWN. BY: C. CASINGER	DATE: 10/6/05
CHK. BY: K. HASSELL	DATE: 10/6/05
ENG. BY: K. BARNETT	DATE: 10/6/05
APP. BY:	DATE:

SHEET NO./PART NO.:
1 OF 2

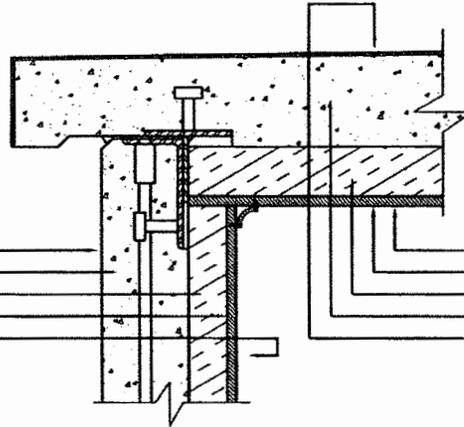
DRAWING NO.:
108-035

REV:
A

WALL
(HEAT CAPACITY = 8 BTU/°F)

0.25	OUTSIDE AIR FILM
1.36	4" L.W. CONCRETE
11.20	1½" R-MAX INSUL
0.54	¾" PANELING
1.70	INSIDE AIR FILM

15.05	OVERALL R-VALUE
0.066	OVERALL U-FACTOR



CEILING

INSIDE AIR FILM	4.55
7/8" PANELING	0.54
2½" R-MAX INSUL	14.40
4.5"(AVG) L.W. CONCRETE	1.53
OUTSIDE AIR FILM	0.25

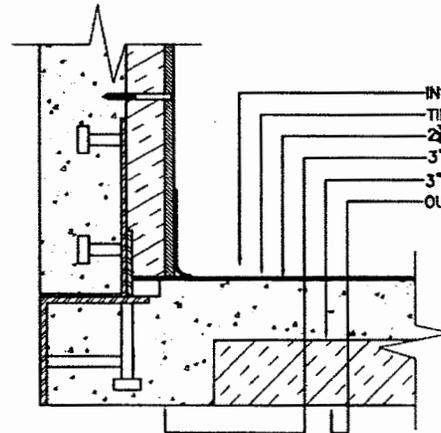
21.27	OVERALL R-VALUE
0.047	OVERALL U-FACTOR

FLOOR

RIB	DECK
1.10	1.10
0.05	0.05
0.94	0.94
1.02	--
--	15.00
0.25	0.25

3.36	17.34	TOTAL 'R'
0.298	0.058	TOTAL 'U'
0.286	0.714	SURFACE AREA RATIO
0.085	0.041	U-FACTOR PER SURFACE AREA

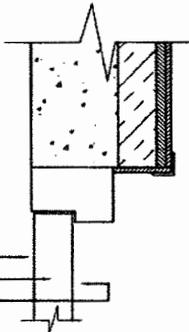
0.126	OVERALL U-FACTOR
7.93	OVERALL R-VALUE



METAL DOOR

0.25	OUTSIDE AIR FILM
7.00	BEAD BOARD INSUL
1.35	INSIDE AIR FILM

8.60	OVERALL R-VALUE
0.116	OVERALL U-FACTOR



ENGINEER SEAL

THIS DRAWING IS THE CONFIDENTIAL PROPERTY AND CONTAINS TRADE SECRETS OF CELLXION, LLC. ANY USE OF THESE DRAWINGS OR THE INFORMATION CONTAINED HEREIN FOR ANY REASON OTHER THAN AS EXPRESSLY AUTHORIZED BY CELLXION, LLC IS STRICTLY PROHIBITED. THIS DRAWING HAS BEEN DISTRIBUTED WITH THE UNDERSTANDING THAT ANYONE RECEIVING OR OTHERWISE OBTAINING POSSESSION OF IT WILL BE EXPRESSLY NOTIFIED OF ITS CONFIDENTIAL NATURE.

Cellxion
Solutions for the Wireless Industry

Corporate Office & Manufacturing Facility
5031 Hessel Jones Road
Baltimore, MD 21111
(voice) 318-213-2818
www.cellxion.com

CUSTOMER:

ENGINEERING STANDARD

PROJECT:
CONCRETE SHELTER
INT. PANELING INSTALL
(1) LAYER
R/U CALCULATIONS

FILENAME: 108-035	
SCALE:	TOLERANCE:
DRWN. BY: C. CASINGER	DATE: 10/6/05
CHK. BY: V. HASSELL	DATE: 10/6/05
ENG. BY: K. BARNETT	DATE: 10/6/05
APP. BY:	DATE:

SHEET NO./PART NO.:
2 OF 2

DRAWING NO.: 108-035	REV: A
-------------------------	-----------

Melinda Bobbitt

From: John Witt <johnwitt@telepp.com>
Sent: Monday, July 9, 2018 10:08 AM
To: Melinda Bobbitt
Cc: sales@telepp.com; Tower Direct
Subject: Re: Clarification to RFP 29-15JUN18 - Used Radio Equipment Shelter
Attachments: Boone County RFQ.pdf; 20180614_134836.jpg; 20180614_134844.jpg; 20180614_134855.jpg; 20180614_134901.jpg; 20180614_134905.jpg; 20180614_134917.jpg; 20180614_134920.jpg; 20180614_134932.jpg; 20180614_134937.jpg; 20180614_134939.jpg; 20180614_134956.jpg; 20180614_135003.jpg; 20180614_135008.jpg; 20180614_135020.jpg; 20180614_135024.jpg; 20180614_135040.jpg; 20180614_135104.jpg; 20180614_135117.jpg; 20180614_135123.jpg; 20180614_135127.jpg; 20180614_135130.jpg; 20180614_135144.jpg; SUSA46---11'3"L x 19'4" Cellxion Concrete (reduced).pdf

Melinda,

Please find the attached RFQ submission forms along with the accompanying photos and engineered drawings for the telecom shelter proposal for Boone County.
We appreciate the opportunity to be considered in the process, and please feel free to contact me with any questions or comments.

Thanks,

John Witt
Telecom Product Profiles, LLC
johnwitt@telepp.com (719)221-5900

Towers, Shelters, Cabinets & Coax



On 7/2/2018 3:24 PM, John Witt wrote:

Melinda,

We appreciate you forwarding this clarification sheet and will take note accordingly.
Unfortunately, my office phone has not been working today, so e-mails are the only method of correspondence for now.

We will submit our "Best and Final Offer" shortly for Boone County's consideration.
Please don't hesitate to contact me with any questions or concerns.

Thanks,

John Witt

Telecom Product Profiles, LLC
johnwitt@telepp.com (719)221-5900

Towers, Shelters, Cabinets & Coax



On 7/2/2018 12:59 PM, Melinda Bobbitt wrote:

Dear Mr. Witt:

See attached clarification / BAFO for Boone County.

Thanks,
Melinda Bobbitt, CPPO, CPPB
Director of Purchasing
613 E. Ash Street, Room 110
Columbia, MO 65201

E-mail: mbobbitt@boonecountymo.org
Phone: (573) 886-4391

Fax: (573) 886-4390



From: gcanexcopier@boonecountymo.org <gcanexcopier@boonecountymo.org>
Sent: Monday, July 2, 2018 3:00 PM
To: Melinda Bobbitt <MBobbitt@boonecountymo.org>
Subject: Message from KM_C754e

Boone County Purchasing



Melinda Bobbitt, CPPO, CPPB
Director of Purchasing

613 E. Ash Street, Room 110
Columbia, MO 65201
Phone: (573) 886-4391
Fax: (573) 886-4390
E-mail: mbobbitt@boonecountymo.org

July 2, 2018

Telecom Product Profiles LLC
Attn: John E. Witt, VP Sales
711 9th Ave., SE #107
Watertown, SD 57201
E-mail: sales@telepp.com

RE: Clarification #1 with Best and Final Offer #1 to 29-15JUN18 – *Used Radio Equipment Shelter*

Dear Mr. Witt:

This letter shall constitute an official request by the County of Boone – Missouri to enter into competitive negotiations with your organization. Included with this letter are three attachments.

The first attachment is a clarification question list, and it includes the following: (1) a listing of the deficiencies or other concerns identified within your proposal which may not comply with the requirements of the RFP or Boone County policy, and (2) a listing of areas within your proposal which require further information and/or clarification.

The second and third attachments are for a Best and Final Offer. They include the Best and Final Offer Form and the Pricing Forms for this Request for Proposal which also includes any changes being made to the RFP as a result of this BAFO request. The Best and Final Offer Form must be completed, signed by an authorized representative of your organization, and returned with your detailed BAFO response and completed pricing forms.

Your detailed clarification response should address each area identified on the clarification question list using the same numbering outline as the list. In addition, as a result of this request for a Best and Final Offer, you may now modify the pricing/fees of your proposal and/or may change, add information, and/or modify any part of your proposal. However, if pricing is resubmitted, be sure to follow the pricing structure stated in the RFP. Furthermore, please understand that your response to this BAFO request is your final opportunity to ensure that (1) all mandatory requirements of the RFP have been met, (2) all RFP requirements are adequately described since all areas of the proposal are subject to evaluation, and (3) this is your best offer, including a reduction or other changes to pricing.

You are requested to provide written response by **10:00 a.m. July 9, 2018** by e-mail to mbobbitt@boonecountymo.org. Your written response will be distributed to the evaluation team.

You are reminded that pursuant to Section 610.021 RSMo, proposal documents including any best and final offer documents are considered closed records and shall not be divulged in any manner until after a contract is executed or all proposals are rejected. Furthermore, you and your agents (including subcontractors, employees, consultants, or anyone else acting on their behalf) must direct all questions or comments regarding the RFP, the evaluation, etc., to the buyer of record. Neither you nor your agents may contact any other County employee or evaluation committee member regarding any of these matters during the negotiation and evaluation process. Inappropriate contacts or release of information about your proposal response or BAFO are grounds for suspension and/or exclusion from specific procurements.

If you have any questions regarding this Clarification / BAFO request, please call (573) 886-4391 or e-mail Mbobbitt@boonecountymmo.org. I sincerely appreciate your efforts in working with Boone County - Missouri to ensure a thorough evaluation of your proposal.

Sincerely,

A handwritten signature in cursive script, appearing to read "Melinda Bobbitt".

Melinda Bobbitt, CPPO, CPPB
Director of Purchasing

cc: Proposal File

Attachments: Clarification #1 / Best and Final Offer #1 (BAFO) Form / Pricing Forms

BOONE COUNTY - MISSOURI

PROPOSAL NUMER AND DESCRIPTION: 29-15JUN18 – *Used Radio Equipment Shelter*

CLARIFICATION FORM #1

This Clarification is issued in accordance with the Instructions to Offeror and is hereby incorporated into and made a part of the Request for Proposal Documents. Offeror is reminded that receipt of this Clarification must be acknowledged and submitted by e-mail to mbobbitt@boonecountymmo.org.

I. CLARIFICATION – please provide a response to the following requests.

- 1) The County is interested in newer shelters, typically 10-15 years old that are in sound structural condition. The County understands that a used shelter will not necessarily be in “as new” cosmetic condition and is interesting in considering additional shelters Offeror can provide. Please provide a list with pricing or use the attached Response Form.

The specific placement of door, air conditioners, and waveguide entry points is somewhat flexible to the County if Offeror can provide a shelter otherwise desired by the County. It is important that there be a cable entry on the long wall nearest the tower.

Photographs can be very helpful in assisting the County to evaluate a shelter proposed for purchase. Attach photographs if available.

The County requested a nominal 12' x 20' shelter. The County's goal is to secure a shelter that will have a single long row of equipment installed in it. As such, consideration would be given to shelter from Offeror that could range from 10'-6" up to the requested 12'-0" in width.

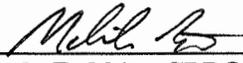
- 2) The County's main interest in asking for a one-year warranty relates to the two air conditioners requested for the shelter. An explanation as to condition or the date of manufacture would be helpful in assisting the County in evaluating proposed shelters, possibly with consideration of waiving the warranty requirement.
- 3) Prevailing wage is not required for transporting or off-loading the shelter for this Request for Proposal. Prevailing wage is only required for mounting the shelter on foundation which will be the responsibility of the County.

CONTRACT DOCUMENTS
BOONE COUNTY, MISSOURI
PROPOSAL NUMER AND DESCRIPTION: *29-15JUN18 – Used Radio Equipment Shelter*

BEST AND FINAL OFFER FORM #1

This BAFO is issued in accordance with the Instructions to Bidders and is hereby incorporated into and made a part of the Contract Documents.

The Offeror hereby declares understanding, agreement and certification of compliance to provide the items and/or services, at the prices quoted, in accordance with all terms and conditions, requirements, and specifications of the original RFP as modified by any previously issued RFP amendments and by this and any previously issued BAFO requests. The Offeror agrees that the language of the original RFP as modified by any previously issued RFP amendments and by this and any previously issued BAFO requests shall govern in the event of a conflict with Offeror's proposal.

By: 
Melinda Bobbitt, CPPO, CPPB
Director of Purchasing

Company Name: _____

Address: _____

Telephone: _____ Fax: _____

Federal Tax ID (or Social Security #): _____

Print Name: _____ Title: _____

Signature: _____ Date: _____

E-mail: _____

5. **Response Page for BAFO #1**

In compliance with this Request for Proposal and subject to all the conditions thereof, the Offeror agrees to furnish the equipment/services/supplies requested and proposed and certifies he/she has read, understands, and agrees to all terms, conditions, and requirements of this proposal and is authorized to contract on behalf of the firm named below. (Note: This form must be signed. All signatures must be original and not photocopies).

Company Name: _____

Address: _____

Telephone: _____ Fax: _____

Federal Tax ID (or Social Security #): _____

Print Name: _____ Title: _____

Signature: _____ Date: _____

E-Mail Address: _____

5.1. **One (1) Used Radio Equipment Shelter** \$ _____

Make: _____

Model: _____

5.2. **Provision of crane and transport services to load, haul, and offload shelter onto County's foundation** \$ _____

5.3. **Total (5.1 + 5.2):** \$ _____

5.4. **Delivery/Offloading will be completed after receipt of purchase order with anticipated delivery August 2018: _____ days**

5.6. **Pricing is firm for _____ days after signature of contract.**

5.7. **Describe warranty or attach:**



BOONE COUNTY, MISSOURI

Request for Proposal #: 29-15JUN18 – Used Radio Equipment Shelter

ADDENDUM #1 - Issued May 24, 2018

This addendum is issued in accordance with the Response Page in the Request for Proposal and is hereby incorporated into and made a part of the Request for Proposal documents. Offerors are reminded that they should acknowledge receipt of this addendum and submit it with Offeror's Response Form.

Specifications for the above noted Request for Proposal and the work covered thereby are modified as follows, and except as set forth herein, otherwise remain unchanged and in full force and effect.

I. The County has received the following questions and is providing a response below.

1. We have our crane company asking for more specific directions to the site of the proposed shelter offload. Are these the correct coordinates to the facility? 39°07'07.7"N 92°19'38.6"W?

Response: The street address is 780 E. Highway 124, Hallsville, MO 65255.

Hwy 124 Facility	39° 7' 9.667" N	-92° 19' 34.85" W	92.32634801	39.11935209
------------------	-----------------	-------------------	-------------	-------------

The tower base is at 39-07-8.3, 92-19-37.9.

2. I see in the specs a requirement for a 1-year warranty. "3.8. Guarantee: Bidder agrees to unconditionally guarantee all equipment against defect in material, workmanship and performance for a period of one year from the date of acceptance by the County, unless otherwise specified on the response page." So we can supply one quote with a 1 year warranty, and then the same shelter with no warranty?

Response: Yes, an option to furnish shelters WITH and WITHOUT the complete 1-year warranty may be included. We still require that everything work upon arrival, including the A/C units.

By: Melinda Bobbitt
Melinda Bobbitt, CPPO, CPPB
Director of Purchasing

Offeror has examined Addendum #1 to Request for Proposal # 29-15JUN18 – Used Radio Equipment Shelter, receipt of which is hereby acknowledged:

Company Name: Telecom Product Profiles LLC

Address: 711 9th Ave. SE #107, Watertown, SD 57201

Phone Number: 719-221-5900 Fax Number: N/A

E-mail: Sales@telepp.com

Authorized Representative Signature: John E. Witt Date: June 7, 2018

Authorized Representative Printed Name: John E. Witt



BOONE COUNTY, MISSOURI

Request for Proposal #: 29-15JUN18 – *Used Radio Equipment Shelter*

ADDENDUM #2 - Issued June 5, 2018

This addendum is issued in accordance with the Response Page in the Request for Proposal and is hereby incorporated into and made a part of the Request for Proposal documents. Offerors are reminded that they should acknowledge receipt of this addendum and submit it with Offeror's Response Form.

Specifications for the above noted Request for Proposal and the work covered thereby are modified as follows, and except as set forth herein, otherwise remain unchanged and in full force and effect.

- I. **Delete Work Authorization, Certification of Individual Bidder, and Affidavit of Certification of Individual Bidder. They are not needed for this Request for Proposal.**

By: Melinda Bobbitt
Melinda Bobbitt, CPPO, CPPB
Director of Purchasing

Offeror has examined Addendum #2 to Request for Proposal # 29-15JUN18 – *Used Radio Equipment Shelter*, receipt of which is hereby acknowledged:

Company Name: Tele.com Product Profiles LLC
Address: 711 9th Ave, SE #107, Watertown, SD 57201
Phone Number: 719-221-5900 Fax Number: N/A
E-mail: sales@telepp.com
Authorized Representative Signature: John E. Witt Date: June 7, 2018
Authorized Representative Printed Name: John E. Witt



BOONE COUNTY, MISSOURI

Request for Proposal #: 29-15JUN18 – Used Radio Equipment Shelter

ADDENDUM #3 - Issued June 6, 2018

This addendum is issued in accordance with the Response Page in the Request for Proposal and is hereby incorporated into and made a part of the Request for Proposal documents. Offerors are reminded that they should acknowledge receipt of this addendum and submit it with Offeror's Response Form.

Specifications for the above noted Request for Proposal and the work covered thereby are modified as follows, and except as set forth herein, otherwise remain unchanged and in full force and effect.

I. The County received the following question and is provided a response.

3.2.1. General configuration will be shelter installed East-West, lengthwise. This means the long walls will be E-W and the short walls N-S.

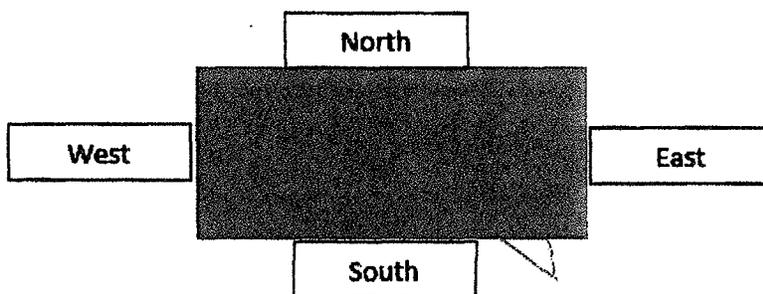
3.2.5. Configuration

A. Shelter should have two wall-mounted Air Conditioning units mounted on east short wall.

B. Entry door should be on south facing long wall.

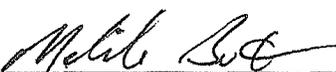
C. Two cable entry panels (or provision for panels to be relocated or installed) should be to a 'high mount' position on north facing long wall.

Question: Based on 3.2.5 B. This is how the building is to be placed?



Response: The depiction is correct. Prefer the door anywhere along south wall.

By:


Melinda Bobbitt, CPPO, CPPB
Director of Purchasing

Offeror has examined Addendum #3 to Request for Proposal # 29-15JUN18 – Used Radio Equipment Shelter, receipt of which is hereby acknowledged:

Company Name: Telecom Product Profiles LLC

Address: 711 9th Ave. SE #107, Watertown, SD 57201

Phone Number: 719-221-5900 Fax Number: N/A

E-mail: sales@telepp.com

Authorized Representative Signature: John E. Witt Date: June 7, 2018

Authorized Representative Printed Name: John E. Witt



BOONE COUNTY, MISSOURI

Request for Proposal #: 29-15JUN18 – Used Radio Equipment Shelter

ADDENDUM #3 - Issued June 6, 2018

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3.2.1. General configuration will be shelter installed East-West, lengthwise. This means the long walls will be E-W and the short walls N-S.

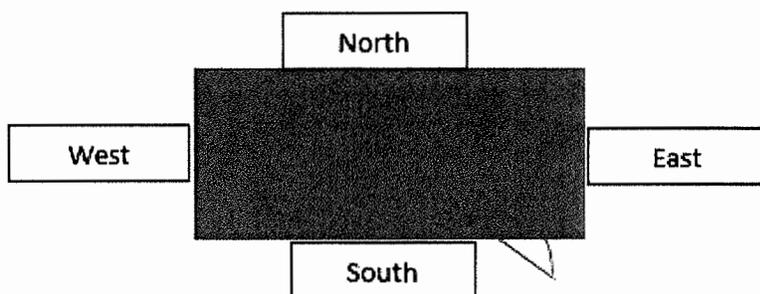
3.2.5. Configuration

A. Shelter should have two wall-mounted Air Conditioning units mounted on east short wall.

B. Entry door should be on south facing long wall.

C. Two cable entry panels (or provision for panels to be relocated or installed) should be to a 'high mount' position on north facing long wall.

Question: Based on 3.2.5 B. This is how the building is to be placed?



Response: The depiction is correct. Prefer the door anywhere along south wall.

By:


Melinda Bobbitt, CPPO, CPPB
Director of Purchasing

Offeror has examined **Addendum #3** to Request for Proposal # *29-15JUN18 – Used Radio Equipment Shelter*, receipt of which is hereby acknowledged:

Company Name: _____

Address: _____

Phone Number: _____ Fax Number: _____

E-mail: _____

Authorized Representative Signature: _____ Date: _____

Authorized Representative Printed Name: _____



BOONE COUNTY, MISSOURI

Request for Proposal #: 29-15JUN18 – Used Radio Equipment Shelter

ADDENDUM #2 - Issued June 5, 2018

This addendum is issued in accordance with the Response Page in the Request for Proposal and is hereby incorporated into and made a part of the Request for Proposal documents. Offerors are reminded that they should acknowledge receipt of this addendum and submit it with Offeror's Response Form.

Specifications for the above noted Request for Proposal and the work covered thereby are modified as follows, and except as set forth herein, otherwise remain unchanged and in full force and effect.

- I. Delete Work Authorization, Certification of Individual Bidder, and Affidavit of Certification of Individual Bidder. They are not needed for this Request for Proposal.**

By: Melinda Bobbitt
Melinda Bobbitt, CPPO, CPPB
Director of Purchasing

Offeror has examined **Addendum #2** to Request for Proposal # **29-15JUN18 – Used Radio Equipment Shelter**, receipt of which is hereby acknowledged:

Company Name: _____

Address: _____

Phone Number: _____ Fax Number: _____

E-mail: _____

Authorized Representative Signature: _____ Date: _____

Authorized Representative Printed Name: _____



BOONE COUNTY, MISSOURI

Request for Proposal #: 29-15JUN18 – Used Radio Equipment Shelter

ADDENDUM #1 - Issued May 24, 2018

This addendum is issued in accordance with the Response Page in the Request for Proposal and is hereby incorporated into and made a part of the Request for Proposal documents. Offerors are reminded that they should acknowledge receipt of this addendum and submit it with Offeror's Response Form.

Specifications for the above noted Request for Proposal and the work covered thereby are modified as follows, and except as set forth herein, otherwise remain unchanged and in full force and effect.

I. The County has received the following questions and is providing a response below.

1. We have our crane company asking for more specific directions to the site of the proposed shelter offload. Are these the correct coordinates to the facility? 39°07'07.7"N 92°19'38.6"W?

Response: The street address is 780 E. Highway 124, Hallsville, MO 65255.

Hwy 124 Facility	39° 7' 9.667" N	-92° 19' 34.85" W	92.32634801	39.11935209
------------------	-----------------	-------------------	-------------	-------------

The tower base is at 39-07-8.3, 92-19-37.9.

2. I see in the specs a requirement for a 1-year warranty. "3.8. Guarantee: Bidder agrees to unconditionally guarantee all equipment against defect in material, workmanship and performance for a period of one year from the date of acceptance by the County, unless otherwise specified on the response page." So we can supply one quote with a 1 year warranty, and then the same shelter with no warranty?

Response: Yes, an option to furnish shelters WITH and WITHOUT the complete 1-year warranty may be included. We still require that everything work upon arrival, including the A/C units.

By: Melinda Bobbitt
Melinda Bobbitt, CPPO, CPPB
Director of Purchasing

Offeror has examined **Addendum #1** to Request for Proposal # **29-15JUN18 – Used Radio Equipment Shelter**, receipt of which is hereby acknowledged:

Company Name: _____

Address: _____

Phone Number: _____ Fax Number: _____

E-mail: _____

Authorized Representative Signature: _____ Date: _____

Authorized Representative Printed Name: _____

COUNTY OF BOONE - MISSOURI



**REQUEST FOR PROPOSAL
FOR
USED RADIO EQUIPMENT SHELTER
FOR THE BOONE COUNTY ROAD & BRIDGE
DEPARTMENT - HALLSVILLE FACILITY**

**RFP #29-15JUN18
Release Date: May 18, 2018**

**Submittal Deadline:
June 15, 2018
not later than 1:00 p.m. central time**

**Boone County Purchasing
613 E. Ash Street, Room 110
Columbia, Missouri 65201**

**Melinda Bobbitt, CPPO, CPPB, Director of Purchasing
Phone: (573) 886-4391 Fax: (573) 886-4390
E-mail: mbobbitt@boonecountymo.org**



NOTICE OF REQUEST FOR PROPOSAL

Boone County is accepting Request for Proposals for the following:

PROPOSAL #: 29-15JUN18 – Used Radio Equipment Shelter for the Boone County Road & Bridge Department - Hallsville Facility

Sealed proposals will be accepted until 1:00 p.m. on Friday, June 15, 2018 in the Boone County Purchasing Office, Boone County Annex Building, Room 110, 613 E. Ash Street, Columbia, MO 65201.

Request for Proposals are available in the Purchasing Office and requests for copies may be made by phone (573) 886-4391; fax (573) 886-4390 or e-mail: mbobbitt@boonecountymo.org or download from the Boone County Web Page at <http://www.showmeboone.com>.

Melinda Bobbitt, CPPO
Director of Purchasing

Insertion: Sunday, May 22, 2018
COLUMBIA MISSOURIAN



1. INSTRUCTIONS AND GENERAL CONDITIONS

1.1 **Delivery of Proposals:** Sealed proposals, subject to Instructions and General Conditions and any special conditions set forth herein, will be received at the Boone County Purchasing office until the proposal closing date and time indicated herein for furnishing the County with services as detailed in the following request for proposal.

- a) **Proposal Closing:** All proposals shall be **delivered before 1:00 P.M.**, central time, on Friday, June 15, 2018 to:

Boone County Purchasing Department
Melinda Bobbitt, CPPO, Director
613 E. Ash Street, Room 110
Columbia, Missouri 65201-4460

RFPs will be opened shortly after 1:00 p.m. in the Conference Room of the Boone County Annex Building, 613 E. Ash Street, Room 110, Columbia, MO 65201.

- b) The County will not accept any proposals received after 1:00 P.M. and will return such late proposals to the Offeror.
- c) When submitting a proposal, the Offeror must submit one (1) original and two (2) copies of the proposal (total of three), plus an electronic copy of the original proposal on a thumb drive (USB memory stick). Proposals will be opened publicly but only names of Offerors will be read aloud. All proposal responses will be considered public information and following contract execution or rejection of all proposal responses, all responses will become a part of public record and will be released to any person or firm who requests it.
- d) Proposals must be submitted in a sealed envelope identified with the proposal number and date of closing. List the proposal number on the outside of the box or envelope and note "Response to Request for Proposal enclosed."
- e) If you do not care to submit a proposal, please return the *No Bid Response Page* and note your reason. No fax or electronic transmitted proposals will be accepted.
- f) If you have obtained this proposal document from our Web Page or from a source other than the Boone County Purchasing Department, please check with our office prior to submitting your proposal to ensure that you have a

complete package. The Purchasing Department cannot be responsible for providing addenda if we do not have you on our Vendor list for this proposal.



2. INTRODUCTION AND GENERAL INFORMATION

2.1 Introduction:

- 2.1.1 This document constitutes a request for sealed proposals for one (1) **Used Radio Equipment Shelter for the Boone County Road & Bridge Department - Hallsville Facility** as set forth herein.
- 2.1.2 Organization – This document, referred to as a Request for Proposal (RFP), is divided into the following parts:
- 1) Instructions and General Conditions
 - 2) Introduction and General Information
 - 3) Scope of Services
 - 4) Proposal Submission Information
 - 5) Response/Pricing Page

2.2. Guideline for Written Questions:

- 2.2.1 All questions regarding this Request for Proposal shall be submitted in writing, prior to the proposal opening and preferably no later than 5:00 p.m., Thursday, June 7, 2018. All questions must be mailed, faxed or e-mailed to the attention of Melinda Bobbitt, CPPO, Director of Purchasing. All such questions will be answered in writing, and such answers will be provided to all parties having obtained a Request for Proposal packet.

a. Melinda Bobbitt, CPPO
Director of Purchasing
613 E. Ash Street, Room 110
Columbia, Missouri 65201
Phone: (573) 886-4391
Fax: (573) 886-4390
E-mail: mbobbitt@boonecountymo.org

- 2.2.2 In the event that it becomes necessary to revise any part of this RFP, written addenda will be issued. Any amendment to this RFP is valid only if in writing and issued by the Boone County Purchasing Department. Verbal conversations or agreements with any officer, agent, or employee of the County which modify any terms or obligations of this RFP are invalid.



3. SCOPE OF SERVICES

3.1. GENERAL

3.1.1. General

County desires to acquire one (1) telecommunication shelter for use in its public safety radio system. It is expected that Contractor will provide a shelter that has been formerly used for this application, typically from within the wireless industry, and which will already be furnished and outfitted with equipment and hardware required by and useful to County.

3.1.2. Location

As part of this process, Contractor shall arrange to deliver and provide crane service to set shelter onto foundation constructed by County. The location for the shelter is:

Boone County Road & Bridge, U.S. 63 Highway and 124 Highway, Hallsville, Missouri, 65255

3.1.3. County will provide accessible paved access drive area up to shelter foundation location.

3.2. SHELTER REQUIREMENTS

3.2.1. General configuration will be shelter installed East-West, lengthwise. This means the long walls will be E-W and the short walls N-S.

3.2.2. Dimensions

- A. Desired nominal size is 12' in width (short walls) and 20' in length (long walls).
- B. Nominal 8' to 9' interior height is desired.
- C. Contractor is encouraged to offer alternate similar sized shelters that may be suitable for County.

3.2.3. Construction

Shelter should be of cement-based rigid panel or cast assembly style. Metal or wood frame construction shelters are unacceptable. The shelter should have the following provisions:

- A. Full height nominal 3'-0" wide metal entry door that can be tightly secured
- B. Factory provided and reinforced openings for air conditioners, cable entry panels, electrical service entry, generator service entry
- C. Factory provided tie-down attachment/anchor points
- D. Contractor to furnish shelter lifting eyes for lifting off truck onto foundation.
- E. Contractor to furnish tie-down attachment plates/brackets for connection

between shelter anchor points and foundation.

3.2.4. Appearance

- A. An exposed aggregate or masonry exterior finish in neutral tan or brown color is preferred.
- B. Contractor is encouraged to offer alternate masonry-based finish shelters that may be suitable to County.
- C. Structural integrity and water tightness are paramount to County, but shelter appearance is also a consideration.

3.2.5. Configuration

- A. Shelter should have two wall-mounted Air Conditioning units mounted on east short wall.
- B. Entry door should be on south facing long wall.
- C. Two cable entry panels (or provision for panels to be relocated or installed) should be to a 'high mount' position on north facing long wall.

3.2.6. Shelter Equipment

The following equipment is desired for each shelter

- A. Two wall-mount Air Conditioner units, typ. Bard/MarvAir 3-5 Ton each
- B. Nominal 120/240 VAC single phase electrical service panel
- C. Typical complement of interior overhead lighting
- D. Typical complement of overhead raceway components and hardware
- E. Typical complement of electrical circuit wiring and HVAC control wiring

3.2.7. Delivery and Placement

Following award of purchase, Contractor shall furnish specific dimensional details to allow County to construct foundation for shelter. Following completion of foundation by County, Contractor shall provide crane and transport services to load, haul, and offload shelter onto County's foundation. County shall be responsible for mounting shelter to foundation. Please note that the mounting of shelter to foundation is Prevailing Wage Work.

3.3. SUBMITTALS

3.3.1. Statement of Contractor qualification

3.3.2. Photographs of all shelters proposed for purchase by County

3.3.3. Design and construction drawings to include exact foundation size required.

3.3.4. Written concurrence to allow County to inspect shelter(s) prior to award

3.3.5. Contractor Ownership affidavit(s)

3.3.6. Contractor's proposed crane service and hauling contractor

3.3.7. Proposed costs based on delivery/offloading, August 2018.

3.4. Contract Terms and Conditions:

3.4.1. The successful Offeror is prohibited from assigning, transferring, conveying, subletting, or otherwise disposing of this agreement or its rights, title or interest therein, or its power to execute such agreement to any other person, company or corporation without the prior consent and approval in writing by the County.

3.4.2. Offeror must clearly state any restrictions or deviations from these specifications. In the absence of such statement, the County will assume that all items/services offered are in strict compliance with the technical requirements, contract terms and conditions as described in these specifications. The proposal of the Contractor will be included as part of the final contract.

3.4.3. Totals bid on the attached Response Page must include all fees for equipment, delivery, set shelter onto foundation constructed by County, services to load, haul, and offload shelter onto County's foundation, and furnish tie-down attachment clips/brackets.

3.4.4. All deliveries shall be made FOB Destination with freight charges fully included and prepaid. The seller pays and bears the freight charges. Contractor shall contact the County Representative with a minimum notice of three (3) working days to schedule delivery by calling Boone County Radio Consultant, Dave Dunford, (913) 208-9561.

3.5. The Contractor shall provide insurance as follows:

3.5.1. Insurance Requirements: The Contractor shall not commence work under this contract until they have obtained all insurance required under this paragraph and such insurance has been approved by the County, nor shall the Contractor allow any subcontractor to commence work on their subcontract until all similar insurance required of subcontractor has been so obtained and approved. All policies shall be in amounts, form and companies satisfactory to the County which must carry an A-6 or better rating as listed in the A.M. Best or equivalent rating guide. Insurance limits indicated below may be lowered at the discretion of the County.

3.5.2. Employers Liability and Workers Compensation Insurance - The Contractor shall take out and maintain during the life of this contract, **Employers Liability and Workers Compensation Insurance** for all of their employees employed at the site of work, and in case any work is sublet, the Contractor shall require the subcontractor similarly to provide Workers Compensation Insurance for all of the latter's employees unless such employees are covered by the protection afforded by the Contractor. Workers Compensation coverage shall meet Missouri statutory limits or provide evidence of monopolistic state coverage. Employers Liability limits shall be \$500,000.00 each employee, \$500,000.00 each accident, and \$500,000.00 policy limit. In case any class of employees engaged in hazardous work under this Contract at the site of the work is not protected under the Workers Compensation Statute, the Contractor shall provide and shall cause each subcontractor to provide Employers Liability Insurance for the protection of their employees not otherwise protected.

3.5.3. Commercial General Liability Insurance - The Contractor shall take out and maintain during the life of this contract, such commercial general liability insurance as

shall protect them and any subcontractor performing work covered by this contract, from claims for damages for personal injury including accidental death, as well as from claims for property damages, which may arise from operations under this contract, whether such operations be by themselves or for any subcontractor or by anyone directly or indirectly employed by them. The amounts of insurance shall be not less than \$2,000,000.00 combined single limit for any one occurrence covering both bodily injury and property damage, including accidental death. If the Contract involves any underground/digging operations, the general liability certificate shall include X, C, and U (Explosion, Collapse, and Underground) coverage. If providing Commercial General Liability Insurance, then the Proof of Coverage of Insurance shall also be included.

Contractor may satisfy the minimum liability limits required for Commercial General Liability or Business Auto Liability under an Umbrella or Excess Liability policy. There is no minimum per occurrence limit of liability under the umbrella or Excess Liability; however, the Annual Aggregate limit shall not be less than the highest "Each Occurrence" limit for either Commercial General Liability or Business Auto Liability. Contractor agrees to endorse the County as an Additional Insured on the umbrella or Excess Liability, unless the Certificate of Insurance state the Umbrella or Excess Liability provides coverage on a "Follow-Form" basis.

3.5.4. Business Automobile Liability – The Contractor shall maintain during the life of this contract, automobile liability insurance in the amount of not less than \$2,000,000.00 combined single limit for any one occurrence, covering both bodily injury, including accidental death, and property damage, to protect themselves from any and all claims arising from the use of the Contractor's own automobiles, teams and trucks; hired automobiles, teams and trucks; non-owned and both on and off the site of work.

3.5.5. Subcontractors: Contractor shall cause each Subcontractor to purchase and maintain insurance of the types and amounts specified herein. Limits of such coverage may be reduced only upon written agreement of Owner. Contractor shall provide to Owner copies of certificates evidencing coverage for each Subcontractor. Subcontractors' commercial general liability and business automobile liability insurance shall name Owner as Additional Insured and have the Waiver of Subrogation endorsements added.

3.5.6. Proof of Carriage of Insurance - The Contractor shall furnish the County with Certificate(s) of Insurance which name the County as additional insured in an amount as required in this contract, contain a description of the project or work to be performed and provided for Commercial General Liability, Business Auto Liability, and Umbrella or Excess Liability (not on Workers Compensation). The Certificate of Insurance shall provide that there will be no cancellation or reduction of coverage without 30 days prior written notice to the Owner. In addition, such insurance shall be on occurrence basis and shall remain in effect until such time as the County has made final acceptance of the facility contracted.

3.5.7. INDEMNITY AGREEMENT: To the fullest extent permitted by law, Contractor shall indemnify, hold harmless and defend the County, its directors, officers, agents, and employees from and against all claims, damages, losses and expenses (including but not limited to attorney's fees) arising by reason of any act or failure to act, negligent or

otherwise, of Contractor, of any subcontractor (meaning anyone, including but not limited to consultants having a contract with contractor or a subcontract for part of the services), of anyone directly or indirectly employed by contractor or by any subcontractor, or of anyone for whose acts the contractor or its subcontractor may be liable, in connection with providing these services. This provision does not, however, require contractor to indemnify, hold harmless, or defend the County of Boone from its own negligence.

3.5.8. Nothing in these requirements shall be construed as a waiver of any governmental immunity of the County, its officials nor any of its employees in the course of their official duties.

3.5.9. Failure to maintain the required insurance in force may be cause for contract termination. In the event the Agency/Service fails to maintain and keep in force the required insurance or to obtain coverage from its subcontractors, the County shall have the right to cancel and terminate the contract without notice.

3.5.10. Certificate Holder address:

County of Boone, Missouri
C/O Purchasing Department
613 E. Ash Street
Columbia, MO 65201

3.6. Cancellation Agreement:

The County reserves the right to cancel the contract with cause, if at any time the Contractor fails to fulfill or abide by any of the terms or conditions specified. Failure of the Contractor to comply with any of the provisions of this contract may be considered a material breach of contract and shall be cause for immediate termination of the contract at the discretion of Boone County. Boone County may allow Contractor reasonable opportunity to cure material breach but is not required to do so.

3.7. Invoicing:

Invoice should be submitted to Boone County Joint Communications office for payment which will be made 30 days after receipt of a correct and valid invoice. The County's contract number must appear on the invoice/statement. The billing address is Boone County Joint Communications, Attn: Pat Schreiner, 2145 E. County Drive, Columbia, MO 65202.

3.8. Guarantee:

Bidder agrees to unconditionally guarantee all equipment against defect in material, workmanship and performance for a period of one year from the date of acceptance by the County, unless otherwise specified on the response page.



4. PROPOSAL SUBMISSION INFORMATION

4.1. RESPONSE TO PROPOSAL

4.1.1. Submission of Proposals:

4.1.1.1. When submitting a proposal, the Offeror must submit one (1) original and two (2) copies of the proposal (total of three), plus an electronic copy of the original proposal on a thumb drive (USB memory stick).

a. The Offeror shall submit the proposal to:

Boone County Purchasing Department
Attn: Melinda Bobbitt, CPPO, Director of Purchasing
613 E. Ash Street, Room 110
Columbia, MO 65201

b. The proposals must be delivered no later than 1:00 p.m. on June 15, 2018. Proposals will not be accepted after this date and time.

4.1.1.2. To facilitate the evaluation process, the Offeror is encouraged to organize their proposal into distinctive sections that correspond with the individual evaluation categories described herein.

a. Each distinctive section should be titled with each individual evaluation category and all material related to that category should be included therein.

b. The signed response page from the original RFP and all signed amendments should be placed at the beginning of the proposal.

c. The Proposal must, at a minimum, address all mandatory and desired services, equipment, materials, etc. Responses will fully describe how the service will be performed and what hardware/software (if any) is required at the County to access the service.

4.1.1.3. The Offeror is cautioned that it is the Offeror's sole responsibility to submit information related to the evaluation categories, and that the County is under no obligation to solicit such information if it is not included with the proposal. The Offeror's failure to submit such information may cause an adverse impact on the evaluation of the proposal. Any Offeror whose responses deviate from the outlined specifications may automatically be disqualified.

4.1.1.4. Offeror's Contacts: Offerors and their agents (including subcontractors, employees, consultants, or anyone else acting on their behalf) must direct all of their questions or comments regarding the RFP, the evaluation, etc. to the buyer of record indicated on the first page of this RFP. Offerors and their agents may not contact any County employee other than the buyer of record regarding any of these matters during the solicitation and evaluation process. Inappropriate contacts are grounds for suspension and/or exclusion from specific procurements. Offerors and their agents who have questions regarding this matter should contact the buyer of record.

4.1.2. Competitive Negotiation of Proposals: The Offeror is advised that under the provisions of this Request for Proposal, the County reserves the right to conduct negotiations of the proposals received or to award a contract without negotiations. If such negotiations are conducted, the following conditions shall apply:

4.1.2.1. Negotiations may be conducted in person, in writing, or by telephone.

4.1.2.2. Negotiations will only be conducted with potentially acceptable proposals. The County reserves the right to limit negotiations to those proposals, which received the highest rankings during the initial evaluation phase.

4.1.2.3. Terms, conditions, prices, methodology, or other features of the Offeror's proposal may be subject to negotiation and subsequent revision. As part of the negotiations, the Offeror may be required to submit supporting financial, pricing and other data in order to allow a detailed evaluation of the feasibility, reasonableness, and acceptability of the proposal.

4.1.2.4. The mandatory requirements of the Request for Proposal shall not be negotiable and shall remain unchanged unless the County determines that a change in such requirements is in the best interest of the entities.

4.1.3. Evaluation and Award Process:

4.1.3.1. After determining a responsible Offeror and a responsive proposal through the determination that the proposal satisfies the mandatory requirements stated in the Request for Proposal, the evaluator(s) shall use both objective analysis and subjective judgment in conducting a comparative assessment of the proposal in accordance with the evaluation criteria stated below:

a. **Method of Performance**

b. **Experience/Expertise**

c. Cost

4.1.3.2. After an initial evaluation process, a question and answer interview may be conducted with the Offeror, and/or a tour of the vendor's facility, if deemed necessary by the County. In addition, the Offeror may be asked to make an oral presentation of their proposal to the evaluation team at a designated Boone County location. Attendance cost shall be at the Offeror's expense. All arrangements and scheduling will be coordinated by the County.

4.1.4. Evaluation:

4.1.4.1. Experience and reliability of the Offeror's organization are considered subjectively in the evaluation process. Therefore, the Offeror is advised to submit any information, which documents successful and reliable experience in past performances, especially those performances related to the requirements of this RFP.

4.1.4.2. The Offeror should provide the following information related to previous and current services/contracts performed by the Offeror's organization and any proposed subcontractors which are similar to the requirements of this RFP (This information may be shown on the form attached as Attachment B to this RFP or in a similar manner):

- a. Name, address, and telephone number of client/contracting agency and a representative of that client/agency who may be contacted for verification of all information submitted;
- b. Dates and locations of the service/contract; and
- c. A brief, written description of the specific prior services performed and requirements thereof.

4.1.4.3. The Offeror should submit a copy of all licenses, certifications, accreditation, and/or permits, which may be required by state, federal, and/or local law, statute, or regulation in the course of conduct of the Offeror's business. If not submitted with the proposal, the County reserves the right to request and obtain a copy of any license or certification required to perform the defined services prior to contract award.

4.1.4.4. Proposals will be subjectively evaluated based on the Offeror's distinctive plan for performing the requirements of the RFP. Therefore, the Offeror should present a written narrative, which demonstrates the method or manner in which the Offeror proposes to satisfy these requirements. The language of the narrative should be straightforward and limited to facts, solutions to problems, and plans of action.

- 4.1.4.5. Where the words “shall” or “must” are used, they signify a required minimum function of system capacity that will heavily impact the Bidder’s final response rating.
- 4.1.4.6. Where the words “should”, “may” or “desired” are used, they signify that the feature or capacity is desirable but not mandatory; therefore, the specifications in question will possess minimal impact on the Bidder’s final response rating.
- 4.1.4.7. The method by which the proposed method of performance is written will be left to the discretion of the Offeror. However, the Offeror should address each specific paragraph and subparagraph of the Specifications by paragraph and page number as an item for discussion. Immediately below these numbers, write descriptions of how, when, by whom, with what, to what degree, why, where, etc, the requirements will be satisfied.



5. Response/Pricing Page

In compliance with this Request for Proposal and subject to all the conditions thereof, the Offeror agrees to furnish the equipment/services/supplies requested and proposed and certifies he/she has read, understands, and agrees to all terms, conditions, and requirements of this proposal and is authorized to contract on behalf of the firm named below. (Note: This form must be signed. All signatures must be original and not photocopies).

Company Name: _____

Address: _____

Telephone: _____ Fax: _____

Federal Tax ID (or Social Security #): _____

Print Name: _____ Title: _____

Signature: _____ Date: _____

E-Mail Address: _____

5.1. One (1) Used Radio Equipment Shelter \$ _____

Make: _____

Model: _____

5.2. Provision of crane and transport services to load, haul, and offload shelter onto County's foundation \$ _____

5.3. Total (5.1 + 5.2): \$ _____

5.4. Delivery/Offloading will be completed after receipt of purchase order with anticipated delivery August 2018: _____ days

5.6. Pricing is firm for _____ days after signature of contract.

5.7. Describe warranty or attach:

6. E-Verify

House Bill 1549 addresses the Department of Homeland Security's and the Social Security Administration's E-Verify Program (Employment Eligibility Verification Program) that requires the County to verify "lawful presence" of individuals when we contract for work/service; verify that contractor has programs to verify lawful presence of their employees when contracts exceed \$5,000; and a requirement for OSHA safety training for public works projects.

The County is required to obtain certification that the offeror awarded the attached contract participates in a federal work authorization program. To obtain additional information on the Department of Homeland Security's E-Verify program, go to: <http://www.uscis.gov/portal/site/uscis/menuitem.eb1d4c2a3e5b9ac89243c6a7543f6d1a/?vgnextoid=75bce2e261405110VgnVCM1000004718190aRCRD&vgnnextchannel=75bce2e261405110VgnVCM1000004718190aRCRD>

Please complete and return form *Work Authorization Certification Pursuant to 285.530 RSMo* if your contract amount is in excess of \$5,000. **Attach to this form the first and last page of the *E-Verify Memorandum of Understanding* that you completed when enrolling for proof of enrollment.**

If you are an Individual/Proprietorship, then you must return the attached *Certification of Individual Bidder*. On that form, you may do one of the three options listed. Be sure to attach any required information for those options as detailed on the *Certification of Individual Bidder*. If you choose option number two, then you will also need to complete and return the attached form *Affidavit*.

CERTIFICATION OF INDIVIDUAL BIDDER

Pursuant to Section 208.009 RSMo, any person applying for or receiving any grant, contract, loan, retirement, welfare, health benefit, post secondary education, scholarship, disability benefit, housing benefit or food assistance who is over 18 must verify their lawful presence in the United States. Please indicate compliance below. Note: A parent or guardian applying for a public benefit on behalf of a child who is citizen or permanent resident need not comply.

1. I have provided a copy of documents showing citizenship or lawful presence in the United States. (Such proof may be a Missouri driver's license, U.S. passport, birth certificate, or immigration documents). Note: If the applicant is an alien, verification of lawful presence must occur prior to receiving a public benefit.
2. I do not have the above documents but provide an affidavit (copy attached) which may allow for temporary 90 day qualification.
3. I have provided a completed application for a birth certificate pending in the State of _____. Qualification shall terminate upon receipt of the birth certificate or determination that a birth certificate does not exist because I am not a United States citizen.

John E. Witt 8-1-18
Applicant Date

JOHN WITT
Printed Name

AFFIDAVIT
(Only Required for Certification of Individual Bidder (Option #2))

State of Colorado)
~~Missouri~~)
County of Craft)
fee)SS.

I, the undersigned, being at least eighteen years of age, swear upon my oath that I am either a United States citizen or am classified by the United States government as being lawfully admitted for permanent residence.

AUG. 7, 2018
Date

John E Witt
Signature

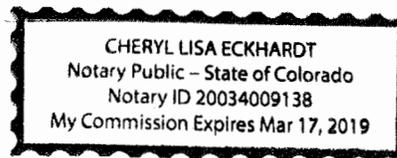
338-50-9271
Social Security Number
or Other Federal I.D. Number

JOHN E. WITT
Printed Name

On the date above written John E Witt appeared before me and swore that the facts contained in the foregoing affidavit are true according to his/her best knowledge, information and belief.

Cheryl Lisa Eckhardt
Notary Public

My Commission Expires: 3-17-2019



Debarment Certification
(Please complete and return with Proposal Response)

Certification Regarding
Debarment, Suspension, Ineligibility and Voluntary Exclusion
Lower Tier Covered Transactions

This certification is required by the regulations implementing Executive Order 12549, Debarment and Suspension, 29 CFR Part 98 Section 98.510, Participants' responsibilities. The regulations were published as Part VII of the May 26, 1988, Federal Register (pages 19160-19211).

(BEFORE COMPLETING CERTIFICATION, READ INSTRUCTIONS FOR CERTIFICATION)

- (1) The prospective recipient of Federal assistance funds certifies, by submission of this proposal, that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- (2) Where the prospective recipient of Federal assistance funds is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

Name and Title of Authorized Representative

Signature

Date



Boone County Purchasing
613 E. Ash Street, Room 110
Columbia, MO 65201

"No Bid" Response Form

Melinda Bobbitt, CPPO, Director of Purchasing
(573) 886-4391 – Fax: (573) 886-4390

"NO BID RESPONSE FORM"

**NOTE: COMPLETE AND RETURN THIS FORM ONLY IF YOU DO NOT WANT TO
SUBMIT A BID**

If you do not wish to respond to this bid request but would like to remain on the Boone County vendor list for this service/commodity, please remove form and return to the Purchasing Department by mail or fax.

If you would like to FAX this "No Bid" Response Form to our office, the FAX number is (573) 886-4390.

Bid: 29-15JUN18 - Used Radio Equipment Shelter

Business Name: _____

Address: _____

Telephone: _____

Contact: _____

Date: _____

Reason(s) for Not Bidding:

CERTIFIED COPY OF ORDER

STATE OF MISSOURI }
County of Boone } ea.

August Session of the July Adjourned

Term. 20 18

In the County Commission of said county, on the 16th day of August 20 18

the following, among other proceedings, were had, viz:

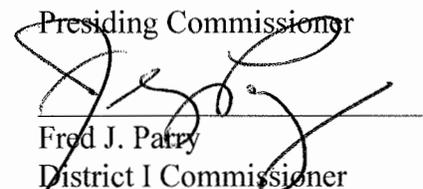
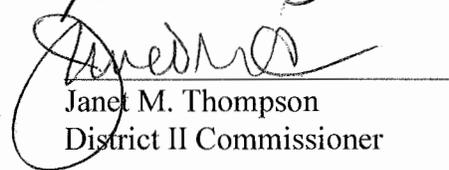
Now on this day the County Commission of the County of Boone does hereby approve the attached Tax Collection Agreement between Boone County and the City of Columbia.

The terms of the agreement are stipulated in the attached Agreement. It is further ordered the Presiding Commissioner is hereby authorized to sign said Tax Collection Agreement.

Done this 16th day of August, 2018.

ATTEST:

Taylor W. Burks
Clerk of the County Commission


Daniel K. Atwill
Presiding Commissioner

Fred J. Parry
District I Commissioner

Janet M. Thompson
District II Commissioner

Introduced by Treece

First Reading 7-2-18

Second Reading 7-16-18

Ordinance No. 023599

Council Bill No. B 162-18

AN ORDINANCE

authorizing a tax collection agreement with the County of Boone; and fixing the time when this ordinance shall become effective.

BE IT ORDAINED BY THE COUNCIL OF THE CITY OF COLUMBIA, MISSOURI, AS FOLLOWS:

SECTION 1. The City Manager is hereby authorized to execute a tax collection agreement with the County of Boone. The form and content of the agreement shall be substantially as set forth in "Exhibit A" attached hereto and made a part hereof as fully as if set forth herein verbatim.

SECTION 2. This ordinance shall be in full force and effect from and after its passage.

PASSED this 16th day of July, 2018.

ATTEST:

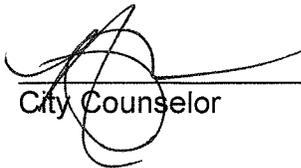


City Clerk



Mayor and Presiding Officer

APPROVED AS TO FORM:



City Counselor

TAX COLLECTION AGREEMENT

THIS AGREEMENT, made and entered into this 16th day of August, 2018, by and between the **City of Columbia, Missouri**, a municipal corporation, hereinafter called the “City” and Boone County, Missouri, through the Boone County Commission, hereinafter called the “County”, and Tom Schauwecker, Boone County Assessor, hereinafter called the “Assessor”, Taylor W. Burks, Boone County Clerk, hereinafter called the “Clerk”, and Brian McCollum, Boone County Collector of Revenue, hereinafter called the “Collector”;

WHEREAS, the City and County are empowered, under Article VI, Section 16 of the Missouri Constitution, and RSMo Sections 50.332 and 70.220, to enter into certain cooperative agreements for collection of property taxes; and

WHEREAS, the parties hereto believe it to be mutually advantageous for the County to assess, prepare and collect property taxes for the City for an agreed compensation;

NOW, THEREFORE, in consideration of the mutual covenants herein contained, it is hereby agreed by and between the parties hereto as follows:

I

The County by and through the County Assessor agrees to perform the assessment function of determining the fair market value and true assessed value of all real and personal property located within the City boundaries.

II

The County agrees to create, on behalf of the City, tax billing amounts relating to all real and personal property located within the City boundaries including surtax on businesses located within the boundaries of the City. Such billing amounts are to be included and identified separately on tax bills generated on taxable property within the boundaries of the City, and shall include property taxes relating to the City of Columbia, Missouri.

III

The Columbia Special Business District has not extended a tax levy since 2011 and the parties agree that the collection of any Columbia Special Business District levies in the future is beyond the scope of this Agreement.

IV

The County, by and through the County Collector, hereby agrees to bill and collect, on behalf of the City, all monies due and owing the City for taxable property within the boundaries of the City *except* monies due and owing that relate to Special Assessments.

V

The County agrees that the City shall have access, during reasonable times and under the supervision of the Clerk or Collector, whichever is appropriate, to all data relating to the City taxes accumulated under the tax collection and processing system.

VI

The Collector agrees to remit to the City the receipts due the City at the same time the Collector remits other receipts similarly collected on behalf of other cities within the County; provided, however, that there shall be a remittance to the City at least once per month at which time the Collector shall provide a Statement of Monthly Collections and Distributions Report. The parties agree any monies received by the Collector on behalf of the former Columbia Library District for tax levies prior to January 1, 2018, shall be remitted to the new, unified Columbia and Boone County Library District pursuant to RSMo Section 182.291.

VII

The City shall fix its ad valorem property tax rates, as provided in RSMo Section 67.110, not later than September first for entry in the tax books. If the City should fail to comply with RSMo Section 67.110, then no tax rate other than the rate, if any, necessary to pay the interest and principal on any outstanding bonds shall be certified for that year and the Collector will neither bill nor collect City taxes for that year either current or delinquent. However, the Collector will continue to collect and disburse prior year taxes under this agreement. A new agreement will have to be entered into by all parties to resume collecting current taxes.

VIII

The parties agree that the Collector shall have the responsibility for collection of all current and delinquent real and personal property taxes, including penalties, interest, and fees. Such collection of taxes, penalties, interest, and fees shall be conducted in accordance with applicable

law(s). The City shall provide to the County Clerk and County Collector all Ordinances, as applicable, relating to penalties and interest on delinquent taxes at the time of execution of this Contract and to provide the County Clerk with any changes to such Ordinances or any new Ordinances related to the same by September 1 of the tax year in which such changes shall take effect. The collection of late charges by the Collector, however, is conditioned upon such charges being consistent with other taxing entities.

IX

The parties agree to the following: The Collector shall withhold a sum equal to one percent (1%) of all taxes, penalties and fees collected by the Collector on behalf of the City as compensation for the bill creation and collections services herein provided by the County and said sum shall be deposited by the Collector in the Boone County general revenue fund. As required by RSMo Sections 137.720.1 and 137.750, the Collector further shall withhold one-half of one percent (1/2%) of all ad valorem property taxes collected by the Collector on behalf of the City to fund the costs and expenses incurred in assessing real and personal property. As further required by RSMo Sections 137.720.3 and Section 137.750 the Collector further shall withhold each calendar year an additional one-eighth of one percent (1/8%) of all ad valorem property taxes collected by the Collector on behalf of the City, provided that for each calendar year, if the total amount of ad valorem property taxes, so further withheld by the Collector from the political subdivisions in Boone County, Missouri under Section 137.720.3 RSMo shall exceed One Hundred Twenty Five Thousand Dollars (\$125,000.00), the Collector shall pay to the City once during each calendar year such proportionate amount so further withheld the previous calendar year, plus interest, if any, on such sums received on behalf of the City and other political subdivisions in excess of the aforementioned statutory limits. All sums withheld by the Collector, as required by RSMo Sections 137.720 and 137.750, RSMo, shall be deposited by the Collector in the Boone County Assessment Fund. All amounts withheld by the Collector shall be withheld proportionately from each separate property tax. The Collector shall then remit to the City the balance collected after the applicable amounts have been withheld from each separate property tax. The Collector shall provide the City a written itemization showing the balance remitted for each separate property tax. If the General Assembly changes the percentages or caps set out in this paragraph, then the Collector shall collect those amounts authorized by the General Assembly and shall notify the City of such changes in writing; thereafter, this Agreement shall be considered amended so as to reflect the new amounts authorized by statute.

X

The City further agrees that the penalty authorized by RSMo Section 52.290, as amended, for delinquent taxes shall be retained by the County and distributed as provided in RSMo Section 52.290.

XI

The City further agrees that all fees of conducting any tax sale pursuant to Chapter 140 of the Revised Statutes of Missouri shall be retained by the County.

XII

The City further agrees that the County shall be authorized to compromise and abate taxes owed to the City in the same manner as it authorized by the Revised Statutes of Missouri to compromise and abate other taxes.

XIII

The City shall provide to the County Clerk and the County Assessor a certified copy of any ordinance or order altering the boundaries of the City including but not limited to ordinances annexing or de-annexing any lot or lots of real estate, within 30 days of the adoption of the same and prior to October 1 of each year. The City shall provide beginning and ending address range data for properties located within the City for all boundary changes of the City.

XIV

The parties hereto mutually agree that the term of this agreement begins upon acceptance by all parties and ends February 28, 2019, provided, however, that any party may terminate this agreement within sixty (60) days by serving upon all other parties to the agreement written notice of its intention to terminate the agreement. The parties hereto mutually agree that this contract will be automatically renewed on March 1, 2019, and will continue to renew on March 1 of each subsequent year unless any party serves written notice of termination no less than ninety (90) days prior to the renewal date. Upon termination of this Agreement, the County shall be absolved of all responsibility for collection of taxes for that tax year and for future tax years. The County shall continue to be responsible for the collection of delinquent taxes from all years covered by this Agreement.

XV

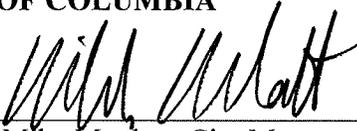
The City agrees that failure to comply with statutory provisions relating to the setting of tax levies shall relieve the County of responsibilities under this Agreement.

XVI

Pursuant to the provisions of RSMo Section 137.073.7, no tax rate shall be extended on the tax rolls unless the City has complied with the tax rate certification process through the State Auditor's office.

IN WITNESS WHEREOF, the parties hereto have caused this agreement to be signed and executed by their duly authorized officers as of the day and year first above written.

CITY OF COLUMBIA

By: 
Mike Matthes, City Manager

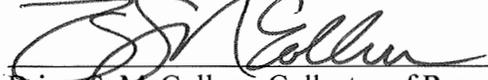
ATTEST:


Sheela Amin, City Clerk

APPROVED AS TO FORM:


Nancy Thompson, City Attorney

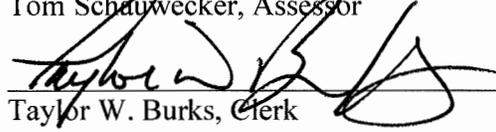
COUNTY OF BOONE



Brian C. McCollum, Collector of Revenue



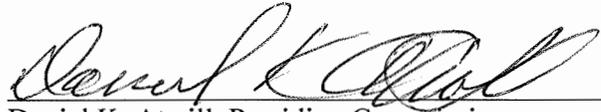
Tom Schatwecker, Assessor



Taylor W. Burks, Clerk

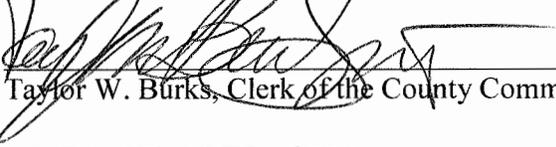
Boone County Commission

By:



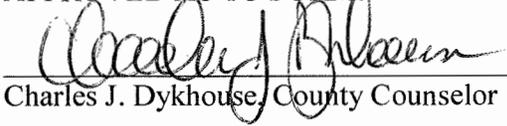
Daniel K. Atwill, Presiding Commissioner

ATTEST:



Taylor W. Burks, Clerk of the County Commission

APPROVED AS TO FORM:



Charles J. Dykhouse, County Counselor

CERTIFIED COPY OF ORDER

STATE OF MISSOURI

August Session of the July Adjourned

Term. 20 18

County of Boone

} ea.

In the County Commission of said county, on the

16th

day of

August

20 18

the following, among other proceedings, were had, viz:

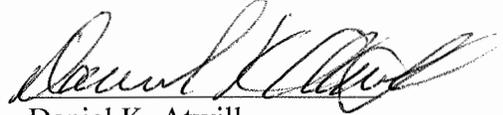
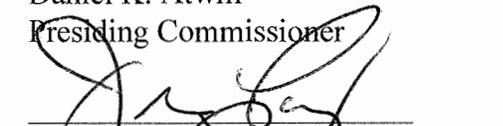
Now on this day the County Commission of the County of Boone does hereby approve the attached Boone County Road & Bridge Improvement/Repair Cooperative Agreement between Boone County and the Town of Harrisburg.

The terms of the agreement are stipulated in the attached Cooperative Agreement. It is further ordered the Presiding Commissioner is hereby authorized to sign said Cooperative Agreement.

Done this 16th day of August, 2018.

ATTEST


Taylor W. Burks
Clerk of the County Commission


Daniel K. Atwill
Presiding Commissioner

Fred J. Parry
District I Commissioner

Janet M. Thompson
District II Commissioner

**BOONE COUNTY ROAD & BRIDGE IMPROVEMENT/REPAIR
COOPERATIVE AGREEMENT
APPLICATION ENTITIES¹**

THIS AGREEMENT, dated this 16th day of August, 2018, is made and entered into by and between **Boone County**, a first class non-charter county and political subdivision of the State of Missouri by and through its County Commission, herein "County" and the **Town of Harrisburg**, a municipal corporation, herein "City".

WHEREAS, County has, in Commission Order 249-2011, adopted updated policies regarding the distribution of certain road sales tax and property tax revenues, the terms and conditions of which are incorporated herein by reference; and

WHEREAS, City is an "Application Entity" as described in the aforementioned Commission Order; and

WHEREAS, City has been classified as an Application Entity that will receive an annual amount as described in Commission Order 609-2012, the terms and conditions of which are incorporated herein by reference; and

WHEREAS, County is willing to enter into a cooperative agreement with the City for the improvement and/or repair of City's road system under certain terms and conditions; and

WHEREAS, the parties are empowered to enter into cooperative agreement(s) for the purposes herein stated pursuant to section 70.220 and section 229.040 RSMo.

NOW, THEREFORE, IN CONSIDERATION of the mutual undertakings and agreements herein contained, the parties agree as follows:

1. **PURPOSE.** The purpose of this Agreement is to effectuate the Application-Based Funding from the County to the City as contemplated in County's policies on distributing road sales tax revenue and road property tax revenues. The terms and conditions of Commission Order 249-2011 & 609-2012 are incorporated into this agreement by reference.
2. **COUNTY AGREEMENTS:**
 - a. County will pay to the City the sum of **Ten Thousand Seven Hundred Ninety-Two Dollars and Fifty-Five cents (\$10,792.55)** as determined by the formula for **Year 6 of the 6-year cycle** as described in the aforementioned Commission Order

¹ Application entities are: Harrisburg, Hartsburg, Huntsdale, McBaine, Pierpont, Rocheport and Sturgeon.

4. **PAYMENTS IN EXCESS OF LEGAL OBLIGATIONS.** City represents that the payments from County to City contemplated herein are in excess of any legal obligations imposed on County by virtue of applicable Missouri law, including RSMo §137.556 and the ballot language presented to voters authorizing the current Road & Bridge Sales Tax Levy under RSMo §67.547.
5. **TIMING OF PAYMENTS.** The payments from County to City contemplated herein will occur one time per year, near the beginning of the fourth quarter of the calendar year, and after receipt of the fully executed annual agreement.
6. **REPORTING.** City shall file a written report with County, at least annually, detailing the road and bridge improvement projects funded in whole or in part with the funding received herein, as well as provide a summary of any planned, future projects that are anticipated to be funded with current or future funding from the County. Said reports shall be in sufficient detail so as to allow County to document what specific portions of any City project were funded or are contemplated to be funded with funds received from the County.
7. **ASSIGNMENT.** Neither party may assign or transfer any of its rights or obligations under this Agreement to any other person or entity without the prior, written consent of the other party.
8. **SOLE BENEFIT OF PARTIES.** This Agreement is for the sole benefit of City and County. Nothing in this Agreement is intended to confer any rights or remedies on any third party.
9. **RELATIONSHIP OF PARTIES.** Nothing herein shall be deemed or construed by the parties hereto, nor by any third party, as creating the relationship of principal and agent, or of partnership, or of joint venture, between the parties hereto.
10. **TERM.** This Agreement shall be in effect from its execution until January 1 of the following calendar year.
11. **TERMINATION.** Either party may terminate this Agreement upon thirty (30) days written notice directed to the other party.
12. **NONAPPROPRIATION.** The payments from County contemplated herein are conditioned upon there being a sufficient, unencumbered fund balance budgeted for that purpose. The County's obligations hereunder shall not in anyway be construed to be a

BOONE COUNTY

By:

David K. [Signature]
Presiding Commissioner

Date: 8.16.18

ATTEST:

Taylor [Signature]
County Clerk

APPROVED AS TO FORM:

[Signature]
County Attorney

Boone County Auditor Certification:

I hereby certify that a sufficient, unencumbered appropriation balance exists and is available to satisfy the obligation arising from this contract. (Note: Certification of this contract is not required if the terms of this contract do not create a measurable county obligation at this time.)

Jane E. [Signature] 8/10/18
County Auditor Date
2049-71452

TOWN OF HARRISBURG

By:

Regina [Signature]
Authorized City Representative

Date: 08-08-18

ATTEST:

Kathy [Signature]
City Clerk

APPROVED AS TO FORM:

[Signature]
City Attorney

CERTIFIED COPY OF ORDER

STATE OF MISSOURI

} ea.

August Session of the July Adjourned

Term. 20 18

County of Boone

In the County Commission of said county, on the 16th day of August 20 18

the following, among other proceedings, were had, viz:

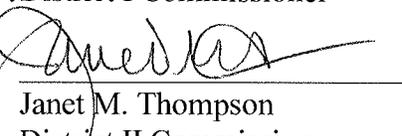
Now on this day the County Commission of the County of Boone does hereby approve the Organizational Use of the Boone County Government Center Chambers by Move to Amend on September 28, 2018 from 6:30 p.m. to 9:15 p.m.

Done this 16th day of August, 2018.

ATTEST:


Taylor W. Burks
Clerk of the County Commission


Daniel K. Atwill
Presiding Commissioner

Fred J. Parry
District I Commissioner

Janet M. Thompson
District II Commissioner

CERTIFIED COPY OF ORDER

STATE OF MISSOURI

} ea.

August Session of the July Adjourned

Term. 20 18

County of Boone

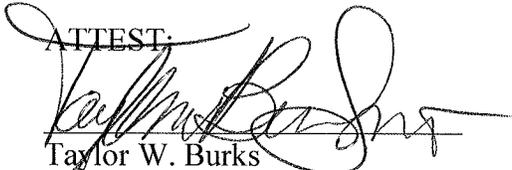
In the County Commission of said county, on the 16th day of August 20 18

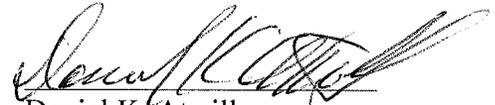
the following, among other proceedings, were had, viz:

Now on this day the County Commission of the County of Boone does hereby approve the Organizational Use of the Boone County Government Center Chambers and Courthouse Plaza by Holly Stillman on September 1, 2018 from 3:00 p.m. to 7:00 p.m.

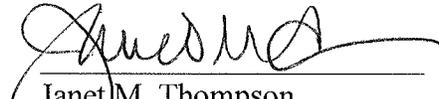
Done this 16th day of August, 2018.

ATTEST:


Taylor W. Burks
Clerk of the County Commission


Daniel K. Atwill
Presiding Commissioner


Fred J. Parry
District I Commissioner


Janet M. Thompson
District II Commissioner



Boone County Commission

APPLICATION FOR ORGANIZATIONAL USE OF BOONE COUNTY CONFERENCE ROOMS

The undersigned organization hereby applies for a use permit to use Boone County Government conference rooms as follows:

Organization: Holly Stillman & Gabriel Porter Wedding
 Address: 1014 W. Worley St.
 City: Columbia State: MO ZIP Code 65203
 Phone: 808-799-7531 Website: _____
 Individual Requesting Use: Holly Stillman Position in Organization: Bride
 Facility requested: Chambers Room 301 Room 311 Room 332 Centralia Clinic

Event: Wedding
 Description of Use (ex. Speaker, meeting, reception): Wedding
 Date(s) of Use: Sept. 1st | Sept. 2nd | Sept. 2nd order done 10/19/17 | Sept 1 | Sept 2
 Start Time of Setup: 3pm | 4:30 | _____ AM/PM Start Time of Event: 3:30pm | 6:30pm
 End Time of Event: 6 pm | 8 | _____ AM/PM End Time of Cleanup: 6:30pm | 9pm

The undersigned organization agrees to abide by the following terms and conditions in the event this application is approved:

- To abide by all applicable laws, ordinances and county policies in using Boone County Government conference rooms.
- To remove all trash or other debris that may be deposited (by participants) in rooms by the organizational use.
- To repair, replace, or pay for the repair or replacement of damaged property including carpet and furnishings in rooms.
- To conduct its use in such a manner as to not unreasonably interfere with Boone County Government building functions.
- To indemnify and hold the County of Boone, its officers, agents and employees, harmless from any and all claims, demands, damages, actions, causes of action or suits of any kind or nature including costs, litigation expenses, attorney fees, judgments, settlements on account of bodily injury or property damage incurred by anyone participating in or attending the organizational use of rooms as specified in this application.

Organization Representative/Title: Holly Stillman, Bride
 Phone Number: 808-799-7531 Date of Application: 8-14-18
 Email Address: hollys56@yahoo.com
 Applications may be submitted in person or by mail to the Boone County Commission, 801 E. Walnut, Room 333, Columbia, MO 65201 or by email to commission@boonecountymo.org.

PERMIT FOR ORGANIZATIONAL USE OF BOONE COUNTY GOVERNMENT CONFERENCE ROOMS

The County of Boone hereby grants the above application for permit in accordance with the terms and conditions above written. The above permit is subject to termination for any reason by duly entered order of the Boone County Commission.

ATTEST:

 County Clerk

BOONE COUNTY, MISSOURI

 County Commissioner

DATE: 8-16-18



Boone County Commission

APPLICATION FOR ORGANIZATIONAL USE OF BOONE COUNTY COURTHOUSE PLAZA

The undersigned organization hereby applies for a use permit to use the Boone County Courthouse Plaza as follows:

Organization: _____

Address: _____

City: _____ State: _____ ZIP Code: _____

Phone: _____ Website: _____

Individual Requesting Use: Holly Stillman

Position in Organization: Bride

Address: 1014 W. Worley St.

City: Columbia State: MO ZIP Code: 65203

Phone: 808-799-7531 Email: hollys56@yahoo.com

Event: Wedding Rehearsal

Description of Use (ex. Concert, speaker, 5K): Wedding Rehearsal

Date(s) of Use: Sept. 1, 2018

Start Time of Setup: 3 AM/PM (PM)

Start Time of Event: 3:30 AM/PM (PM) (If start times vary for multiple day events, please specify)

End Time of Event: 6:30 AM/PM (PM) (If end times vary for multiple day events, please specify)

End Time of Cleanup: 6:30 AM/PM (PM)

Emergency Contact During Event: Stephanie Lotven Phone: 573-424-6795

Will this event be open to the public? Yes No

If yes, please explain the publicity that will be used to promote the event, including names and contact information of any promoters: _____

How many attendees (including volunteers) do you anticipate being at your event? 25

If you anticipate more than 50 attendees (including volunteers) at your event, please detail your safety plan in the event of an emergency. If you have a separate Fire Safety, Public Safety and Evacuation Plan, please submit with application.

n/a

If you anticipate more than 1000 attendees (including volunteers), please provide the names and contact information of your crowd managers (1 per every 250 attendees):

n/a

Will the majority of attendees be under the age of 18? Yes No

If yes, please note the number of adult supervisors in attendance: ___# adults per ___#minors

Will you need access to electricity? Yes No

Will you be using amplifiers? Yes No

Will you be serving food and/or non-alcoholic drinks? Yes No

If yes, will you be **selling** food and/or non-alcoholic drinks? Yes No

If yes, please provide the following with copies of licenses attached to application:

Missouri Department of Revenue Sales Tax Number: _____

County Merchant's License Number: _____

City Temporary Business License Number: _____

Will you be serving alcoholic beverages? Yes No

If yes, will you be **selling** alcoholic beverages? Yes No

If yes, please provide the following with copies of licenses attached to application:

State Liquor License Number: _____

County Liquor License Number: _____

City Liquor License Number: _____

Will you be selling non-food items? Yes No

If yes, please provide the following with copies of licenses attached to application:

Missouri Department of Revenue Sales Tax Number: _____

County Merchant's License Number: _____

City Temporary Business License Number: _____

Will outside vendors be selling food, beverages or non-food items at this event? Yes No

If yes, please provide the following information (use separate sheet if necessary):

Vendor	Type of Sales	Contact Information	License Number(s)
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Will you be requesting a road and/or sidewalk closure? Yes No

If yes, what road(s) and/or sidewalk(s)? _____

Please attach to application a copy of the order showing City of Columbia City Council approval.

Does your event include cooking or use of open flames? Yes No

If yes, please provide the Columbia Fire Department Special Events Permit Number: _____

Please attach to application a copy of the approved Columbia Fire Department Special Events Permit

Events that may pose increased responsibilities to the local law enforcement may be required to enlist the services of a professional security company. This will be determined by the Boone County Sheriff's Department and Boone County Commission. If necessary, have you hired a security company to handle security arrangements for this event?

Yes No

If yes, please provide the following:

Security Company: _____

Contact Person Name and Position: _____

Phone: _____ Email: _____

Will you be using portable toilets for your event? Yes No

**Please note: portable toilets are not permitted on the Boone County Courthouse Plaza grounds. Please contact the City of Columbia for options.

If your event is such that requires insurance per the Boone County Courthouse Plaza Rules and Regulations, please provide a copy of acquired insurance plan.

A deposit is required for use of the Boone County Courthouse Plaza. Please refer to the Boone County Courthouse Plaza Rules and Regulations for the deposit fee schedule. Boone County Facilities Maintenance Staff will inspect the Courthouse Plaza before and after each event. If staff finds the Courthouse Plaza is left the condition in which it was found, the deposit will be refunded to the organization. Please indicate below to whom the refund check should be issued:

Name/Organization: _____

Address: _____

City: _____ State: _____ ZIP Code _____

The undersigned organization agrees to abide by the following terms and conditions in the event this application is approved:

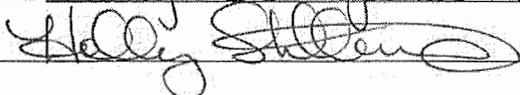
1. To notify the Columbia Police Department and Boone County Sheriff's Department of time and date of use and abide by all applicable laws, ordinances and county policies in using Courthouse Plaza grounds.
2. To abide by all rules and regulations as set forth in the Boone County Courthouse Plaza Rules and Regulations document updated July 11, 2013 and attached to this document.
3. To remove all trash or other debris that may be deposited (by participants) on the courthouse grounds and/or in rooms by the organizational use.
4. To repair, replace, or pay for the repair or replacement of damaged property including shrubs, flowers or other landscape caused by participants in the organizational use of courthouse grounds and/or carpet and furnishings in rooms.
5. To conduct its use of Courthouse Plaza grounds in such a manner as to not unreasonably interfere with normal courthouse and/or Boone County Government building functions.
6. To indemnify and hold the County of Boone, its officers, agents and employees, harmless from any and all claims, demands, damages, actions, causes of action or suits of any kind or nature including costs, litigation expenses, attorney fees, judgments, settlements on account of bodily injury or property damage incurred by anyone participating in or attending the organizational use on the courthouse grounds and/or use of rooms as specified in this application.

Organization Representative/Title: Holly Stillman / Bride

Address: 1014 W. Worley St., Columbia, MO 65203

Phone Number: 808-799-7531 Date of Application: 8-13-18

Email Address: holly556@yphoo.com

Signature: 

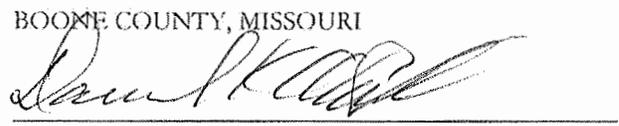
Applications may be submitted in person or by mail to the Boone County Commission, 801 E. Walnut, Room 333, Columbia, MO 65201 or by email to commission@boonecountymo.org.

PERMIT FOR ORGANIZATIONAL USE OF BOONE COUNTY COURTHOUSE PLAZA

The County of Boone hereby grants the above application for permit in accordance with the terms and conditions above written. The above permit is subject to termination for any reason by duly entered order of the Boone County Commission.

ATTEST:

County Clerk

BOONE COUNTY, MISSOURI

County Commissioner

DATE: 8-16-18

CERTIFIED COPY OF ORDER

STATE OF MISSOURI

August Session of the July Adjourned

Term. 20 18

County of Boone

} ea.

In the County Commission of said county, on the

16th

day of

August

20 18

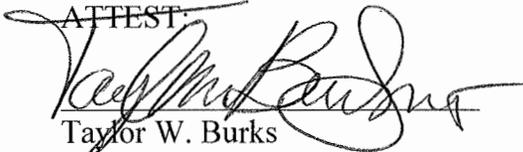
the following, among other proceedings, were had, viz:

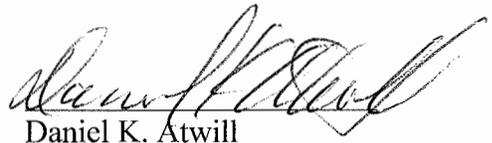
Now on this day the County Commission of the County of Boone does hereby re-appoint the following:

Name	Board	Period
Harry Feirman	Board of Health	October 1, 2018 thru September 30, 2021

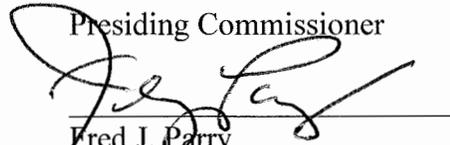
Done this 16th day of August, 2018.

ATTEST:

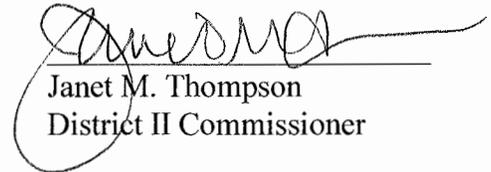

 Taylor W. Burks
 Clerk of the County Commission



Daniel K. Atwill
Presiding Commissioner



Fred J. Parry
District I Commissioner



Janet M. Thompson
District II Commissioner

Dan Atwill, Presiding Commissioner
Fred J. Parry, District I Commissioner
Janet Thompson, District II Commissioner



Boone County Government Center
801 E. Walnut, Room 333
Columbia, MO 65201
573-886-4305 - FAX 573-886-4311
E-mail: commission@boonecountymo.org

Boone County Commission

BOONE COUNTY BOARD OR COMMISSION APPLICATION FORM

Board or Commission: Board of Health

Name: Harry Feiman

Home Address: 7301 North Boothe Lane

City: Rocheport **Zip Code:** 65279

Business Address: _____

City: _____ **Zip Code:** _____

At which address would you prefer to be contacted?

E-mail: harryfeiman@gmail.com

Phone (Home): 573-874-2463 **Phone (Work):** _____

Fax: _____

Qualifications:

Health Planning Consultant World Health Organization (WHO) 2007 - 17, Planning Consultant FAO 2007-09 Health Planner World Health Organization (WHO) 1989-2007: Health Planning Consultant World Bank, Asian Development Bank, African Development Bank, US Agency for International Development., Ph.D Community Systems Planning (Health Planning),

Past Community Service:

Board of Health 2008 - present, Central and Northern Missouri Red Cross Disaster Assistance Team, Missouri State Health Insurance Program Claim Volunteer, Perche Township Representative to the Boone County Democratic Party Central Committee

References:

MAHREE SKALA, DR. MICHAEL J. SZEWCZYK, STEPHANIE K. BROWNING

I have no objections to the information in this application being made public. To the best of my knowledge at this time I can serve a full term if appointed. I do hereby certify that the above information is true and accurate.

Applicant Signature

Return Application

To:

**Boone County Commission Office
Boone County Government Center
801 East Walnut, Room 333
Columbia, MO 65201
Fax: 573-886-4311**

An Affirmative Action/Equal Opportunity Institution